ROBERT MILLER, MONTREAL.

MILLER'S

CANADIAN

FARMER'S ALMANAC

FOR THE YEAR OF OUR LORD

1871.

Montreal:
PUBLISHED BY ROBERT MILLER,
397 NOTRE DAME STREET.

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Farmer's
1871
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ROBERT MILLER, MONTREAL.

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ROBERT MILLER, MONTREAL.

MILLER'S

CANADIAN

FARMER'S ALMANAC

FOR THE YEAR OF OUR LORD

1871.

Being the third after Bissextile or Leap Year, and until the 20th June, the Thirty-fourth Year of the Reign of Her Majesty Queen Victoria.

Calculated for the Meridian of Montreal, in Latitude 45° 30′ 26″ North, and Longitude 73° 24′ 22″ West, from the Royal Observatory, Greenwich, but arranged so as to serve without essential variation for all parts of the Dominion of Canada.

EDITION OF THIRTY-FIVE THOUSAND.

Entered according to Act of Parliament of Canada in the year of our Lord one Thousand Eight Hundred and Sixty-Nine, by ROBERT MILLER, in the Office of the Registrar of the Dominion.

Montreal:

PUBLISHED BY ROBERT MILLER,

NOTRE DAME STREET.

ROBERT MILLER, MONTREAL.

PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.

Importer of General Stationery, Artists' Materials, Educational and Church Books.

Manufacturing Stationer, General Bookbinder and Paper Ruler.

EXPLANATION OF CALENDAR PAGE.

The Publisher of this Almanac, with a view to increase its circulation and usefulness, has adapted its calculations for the whole country. The Moon's changes are given for five different places, viz.: Quebec, Montreal, Kingston, Toronto, and London. The rising and setting of the Sun are given for Montreal and Toronto. The rising and setting of the Moon are given with sufficient exactness for all practical purposes. The weather prognostications are again calculated according to the table of the celebrated Dr. Herschel; and for extraordinary accuracy, Miller's Almanac retains its wonderful popularity.

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CHRONOLOGICAL CYCLES.

Dominical Letter	A.	Julian Period	6585
Golden Number	10	Jewish Year, commencing 30th September	5631
Jewish Lunar Cycle	7	Mohammedan Year	1288
Epact or Moon's Age	9	Roman Indiction	14
Solar Cycle	4		

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MOVABLE FESTIVALS.

Septuagesima Sunday	Feb.	5	Easter Sunday	April	9
Sexagesima.. " ... "		12	Rogation Sunday	May	14
Quinquagesima " ... "		19	Ascension Day	"	18
Ash Wednesday	"	22	Pentecost	"	28
Quadragesima	"	26	Trinity Sunday	June	4
Palm Sunday	April	2	Corpus Christi	"	8
Good Friday	"	7	Advent Sunday	Dec.	2

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BANK HOLIDAYS IN ONTARIO.

Sundays, Christmas Day, New Year's Day, Ash Wednesday, Good Friday, Easter Monday, Queen's Birth Day and each day appointed by Royal Proclamation for a general fast or thanksgiving day.

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HOLIDAYS OF PUBLIC OFFICES IN QUEBEC.

Circumcision	Jan.	1	Corpus Christi	June	8
Epiphany	"	6	St. Peter and St. Paul...	"	29
Annunciation Vir. M.	March	25	All Saints Day	Nov.	1
Good Friday	April	7	Conception of the Blessed Virgin Mary	Dec.	8
Ascension Day	May	18	Christmas Day	"	25
Queen's Birth Day	"	24			

LOVELL'S and the "New Series" of School Books are now

ECLIPSES DURING THE YEAR 1871.

The Eclipses of the year are few and not of general importance to the dwellers in this Dominion for reasons discernible in the following statement respecting them:

I. There will be a partial Eclipse of the Moon on the 6th day of January, visible in the eastern parts of this continent. The moon rises partially eclipsed at Quebec 4.23 ending 6.2. At Montreal 5.29 ending 5.53. At Toronto it begins 4.35 and ends 5.48.

II. On the 17th of June, there will be an Annular Eclipse of the Sun, not visible in America.

III. On the 2nd of July, there will be a partial Eclipse of the Moon, not visible in these parts.

IV. On the 11th of December there will be a partial Eclipse of the Sun, to Canadians invisible.

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EQUINOXES AND SOLSTICES.

									d.	h.	m.
Vernal Equinox	begins	March	20	8	12	ev.	lasting	..	92	20	22
Summer Solstice	"	June	21	4	34	"	"	..	93	11	14
Autumnal Equinox	"	Sept'r	23	6	48	mo.	"	..	89	18	3
Winter Solstice	"	Dec'r	22	0	51	"	"	..	89	1	17

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APPEARANCES OF THE PLANETS, 1871.

Venus will be an Evening Star to the 26th of September and from that date a Morning Star to the end of the year. Mars is an Evening Star throughout the year. Jupiter is an Evening Star until June 30th, and a Morning Star from that date to October 22 and again an Evening Star after that date. Saturn will be a Morning Star until March the 30th, and an Evening Star from that date to the end of the year. The brilliant Sirius has a non-luminous companion star, discovered by Mr. Clarke, with his new and powerful achromatic telescope.

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
Full Moon	6	4 35 ev.	4 29 ev.	4 17 ev.	4 5 ev.	3 57 ev.
Third Quarter	14	2 9 mo.	2 3 mo.	1 51 mo.	1 39 mo.	1 31 mo.
New Moon	20	7 44 ev.	7 38 ev.	7 26 ev.	7 14 ev.	7 6 ev.
First Quarter	28	8 26 mo.	8 20 mo.	8 8 mo.	7 56 mo.	7 48 mo.

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Sun on Meridian.		
									D.	h.	m. s.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.		R. & S.	1	12	3 51
									9	12	7 24
									17	12	10 22
									25	12	12 37
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	Calendar, Aspects, &c.		
1	A.	7 46	4 20	7 40	4 28	23	1	2 31	*Circumcision.*		
2	Mon.	46	21	40	29	22	5	3 25	Snow has fallen plentifully.		
3	Tues.	46	22	40	30	22	50	4 28	More expected about now.		
4	Wed.	45	23	39	31	22	44	5 26	Snow and stormy week.		
5	Thu.	45	24	39	32	22	37	Rises.	Sleighing good in Quebec.		
6	Fri.	44	25	39	33	22	30	4 40	*Epiphany.*		
7	Sat.	44	27	39	34	22	23	5 56	Rather poor in W. Ontario.		
8	A.	7 44	4 28	7 38	4 35	22	15	6 38	*1st Sunday after Epiphany.*		
9	Mon.	44	29	38	36	22	6	7 43	Changeable and unsettled.		
10	Tues.	43	31	37	37	21	58	8 49	N. much appearance of thaw		
11	Wed.	43	33	37	38	21	48	9 55	Rather severe frost.		
12	Thu.	42	34	37	40	21	39	11 14	A powerful N. Wester.		
13	Fri.	42	35	36	41	21	29	Morn.	Breezy biustering day.		
14	Sat.	41	37	36	42	21	18	0 13	Cold but not severe.		
15	A.	7 40	4 38	7 35	4 43	21	7	5 24	*2nd Sunday after Epiphany.*		
16	Mon.	40	39	35	44	20	56	2 36	Uncomfortable prospects.		
17	Tues.	39	41	34	45	20	44	3 51	Don't start on a long journey		
18	Wed.	39	42	33	46	20	32	5 3	Damp-chilly—raw winds.		
19	Thu.	38	43	32	48	20	20	6 12	Not much change.		
20	Fri.	37	45	31	49	20	7	Sets.	Rough and cold rain or snow		
21	Sat.	36	47	30	50	19	54	5 12	if wind E. N. E.		
22	A.	7 35	4 49	7 29	4 52	19	40	7 3	*3rd Sunday after Epiphany.*		
23	Mon.	34	51	29	53	19	26	8 11	Weather not severe but cold		
24	Tues.	33	52	28	54	19	12	9 16	enough for comfort.		
25	Wed.	32	53	27	56	18	57	10 19	*Conversion of St. Paul.*		
26	Thu.	31	54	26	57	18	42	11 19	Rather dubious appearances		
27	Fri.	31	55	25	58	18	27	Morn.	Weather unsettled.		
28	Sat.	30	56	25	59	17	11	0 19	Squally and wearisome.		
29	A.	7 29	4 58	7 24	5 1	18	55	1 19	*4th Sunday after Epiphany.*		
30	Mon.	28	59	24	2	17	39	2 17	The month ends in a quiet		
31	Tues.	27	6 00	23	4	17	22	3 15	winterly manner.		

JANUARY.—Farmers may wonder why we here introduce the name of Bismarck, the Prussian premier. Read what follows:—The Count on hearing that the peasants on his estate were in the habit of working on Sundays, wrote to his bailiff to stop it. He replied that all their time was occupied in working on his estate, and they had only Sundays to work on their own land. The Count then authorized him to allow those who had land to harvest their own crops first when they were ripe, but to forbid their working on Sunday. The peasants were so much affected by this generous offer that they resolved that the Count should lose nothing by caring for them first. His work has been better attended to than ever. Farmers should keep the Sabbath.

Use LOVELL'S General Geography, by J. G. Hodgins.

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Use MILLER'S Headline Copy Books in 12 Nos.

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
Full Moon.....	5	9 14 mo.	9 8 mo.	8 56 mo.	8 44 mo.	8 36 mo.
Third Quarter.....	12	10 12 mo.	10 6 mo.	9 54 mo.	9 42 mo.	9 32 mo.
New Moon.....	19	9 1 mo.	8 55 mo.	8 43 mo.	8 31 mo.	8 23 mo.
First Quarter.....	27	5 50 mo.	5 44 mo.	5 32 mo.	5 20 mo.	5 12 mo.

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Sun on Meridian.		
									D.	h.	m. s.
									1	12	13 51
									9	12	14 27
									17	12	14 14
									25	12	13 17
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.		R. & S.			
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	Calendar, Aspects, &c.		
1	Wed.	7 27	5 2	7 23	5 5	17	6	4 12	Unsettled but still cold.		
2	Thu.	26	3	22	6	16	48	5 8	*Purification of Virgin Mary*		
3	Fri.	25	4	21	6	16	31	6 0	Very stormy about now.		
4	Sat.	23	5	19	7	16	13	Morn.	Dark wreathing clouds.		
5	A.	7 22	5 6	7 17	5 8	15	55	5 31	*Septuagesima.*		
6	Mon.	20	7	16	9	15	36	6 38	The month will likely be		
7	Tues.	19	8	14	9	15	18	7 47	rough & stormy throughout		
8	Wed.	18	9	13	11	14	59	8 85	Some fine comfortable days,		
9	Thu.	17	11	12	13	14	40	10 4	but many a fall of snow,		
10	Fri.	16	13	11	14	15	20	11 16	often drifted and tire-		
11	Sat.	14	14	9	16	14	1	Morn.	some.		
12	A.	7 13	5 16	7 7	5 17	13	41	0 27	*Sexagesima.*		
13	Mon.	11	17	6	18	13	21	1 38	Disagreeable prospects.		
14	Tues.	10	18	5	19	13	0	2 51	St. Valentine's Day.		
15	Wed.	9	19	4	20	12	46	3 49	Brisk business at Post Office		
16	Thu.	8	20	2	22	12	19	5 0	Dull—dark—dreary.		
17	Fri.	6	22	1	24	11	58	5 53	Changeable and soft.		
18	Sat.	4	24	6 59	25	11	37	6 37	Hard frost again.		
19	A.	7 3	5 25	6 57	5 27	11	16	Sets.	*Quinquagesima.*		
20	Mon.	1	27	56	28	10	55	6 58	Continues unsettled.		
21	Tues.	6 59	28	55	30	10	33	8 2	*Shrove Tuesday.*		
22	Wed.	57	30	52	31	10	11	9 4	*Ash Wednesday.*		
23	Thu.	56	32	50	33	9	49	10 6	More comfortable.		
24	Fri.	54	34	49	34	9	27	11 5	St. Mathias.		
25	Sat.	52	35	47	35	9	5	Morn.	Cold rains or snow.		
26	A.	6 48	5 37	6 46	5 37	8	43	0 5	*1st Sunday in Lent.*		
27	Mon.	48	38	46	38	8	20	1 3	The month ends in a rough		
28	Tues.	47	40	44	40	7	57	2 2	style.		

February.—It is most likely that the Ontario Act for the draining of lands will prove highly beneficial to the country at comparatively small cost. But let not the agriculturists of Canada depend on acts of parliament for their improvement or the improvement of their estates. More attention must be paid practically to the matter of drainage. We are happy to know that this is the case. Exercise skill and judgment in the application of labour and capital. It is proved by large experience that the expenses incurred in careful drainage are soon restored to the farmer in the increase of his produce and the health of his stock.

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6 Sherbrooke No. 4442 Acct 1er 1859
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Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h. m.	h. m.	h. m.
Full Moon.....	6	10 51 ev.	10 45 ev.	10 33 ev.	10 21 ev.	10 13 ev.
Third Quarter.....	13	5 32 ev.	5 26 ev.	5 14 ev	5 2 ev.	4 54 ev.
New Moon.....	20	11 12 ev.	11 6 ev.	10 54 ev.	10 42 ev.	10 34 ev.
First Quarter... ..	29	1 56 mo.	1 50 mo.	1 38 mo.	1 26 mo.	1 18 mo.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.		
								D.	h.	m. s.
								1	12	12 33
								9	12	10 42
								17	12	8 30
								25	12	6 5
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.			
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.			
								Calendar, Aspects, &c.		
1	Wed.	6 45	5 42	6 43	5 41	7 35	2 57	ST. DAVID'S DAY.		
2	Thu.	44	43	42	42	7 12	3 49	Fair weather but frosty.		
3	Fri.	42	44	40	44	6 49	4 37	Continues fair and fine for		
4	Sat.	40	45	39	46	6 23	5 23	these days.		
5	A.	6 38	5 47	6 37	5 48	6 3	6 0	*2nd Sunday in Lent.*		
6	Mon.	38	48	25	49	5 39	Rises.	It is pretty certain that the		
7	Tues.	34	49	33	50	5 16	6 40	whole of this week will be		
8	Wed.	31	51	31	51	4 53	7 52	fine and pleasant for the		
9	Thu.	29	53	29	53	4 29	9 5	season with tendencies to		
10	Fri.	27	54	27	55	4 6	10 17	change towards the end.		
11	Sat.	25	55	25	56	3 42	11 31	Changeable.		
12	A.	6 24	5 56	6 23	5 57	3 19	Morn.	*3rd Sunday in Lent.*		
13	Mon.	22	58	22	58	2 55	0 43	We do not think the		
14	Tues.	20	59	20	6 1	2 32	1 63	weather will change much		
15	Wed.	18	6 1	18	2	2 6	2 55	but will remain on the		
16	Thu.	16	2	16	3	1 44	3 52	whole pleasant for March		
17	Fri.	14	3	15	4	1 21	4 40	ST. PATRICK'S DAY.		
18	Sat.	12	4	12	6	0 57	5 11	A changeful day.		
19	A.	6 10	6 5	6 10	6 7	0 33	5 45	*4th Sunday in Lent.*		
20	Mon.	9	7	9	8	0 9	Sets.	There will be wind and		
21	Tues.	7	8	6	9	North 13	6 51	storms this week, but not		
22	Wed.	5	9	5	11	0 17	7 52	much downfall of either		
23	Thu.	3	11	3	12	1 1	8 52	rain or snow, but a little		
24	Fri.	1	13	1	13	1 24	9 43	of both with sleet.		
25	Sat.	5 59	15	5 59	14	1 43	10 53	*Annunciation of V. Mary.*		
26	A.	5 57	6 16	5 56	6 16	2 11	11 52	*5th Sunday in Lent.*		
27	Mon.	55	17	56	17	2 55	Morn.	A gale of wind doing some		
28	Tues.	53	18	54	18	2 58	0 47	damage to trees, &c., may		
29	Wed.	52	19	53	20	3 22	1 41	be expected. There will		
30	Thu.	50	20	51	21	3 45	2 31	be heavy rain, very cold		
31	Fri.	48	21	49	21	4 8	3 16	and chilly to-day.		

MARCH.—The hog is treated by most farmers as though he were a miserable, unclean and dirty animal, and ought not to receive any special attention or care. This is a mistake, and is the cause of disease in the young pig. The cough in the young animal may be avoided or mitigated by providing him with dry, clean and comfortable quarters. Dampness and rain are hurtful. Good shelter with purified sleeping apartments will be found profitable. Succulent food with kind attention will be beneficial. If the cough continues it is recommended to mix with the daily food of each animal a teaspoonful of epsom salts, for a three months pig. Take better care of the porkers.

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MILLER'S Carpenter's and Mavor's Spelling Books.
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Moon's Phases.		Quebec.	Montreal.	Kingston.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.
Full Moon.....	5	9 35 mo.	9 20 mo.	9 17 mo.	9 5 mo.	8 57 mo.
Third Quarter.....	12	1 4 mo	0 58 mo.	0 46 mo.	0 24 mo.	0 26 mo.
New Moon.....	19	2 15 ev.	2 9 ev.	1 57 ev.	1 45 ev.	1 37 ev.
First Quarter.....	27	6 59 ev.	6 53 ev.	6 41 ev.	6 29 ev.	6 21 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.	
								D.	h. m. s.
								1	12 3 56
								9	12 1 36
								17	11 59 32
								25	11 57 53
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.		
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.		
1	Sat.	5 46	6 22	5 47	6 21	4 31	3 55		Calendar, Aspects, &c. ALL FOOLS' DAY, so called.
2	A.	5 44	6 23	5 46	6 22	4 55	4 31		*Sunday before Easter.*
3	Mon.	42	24	44	23	5 58	5 3		Monday before Easter. Cool
4	Tues.	41	25	42	25	5 41	Rises.		Tuesday before Easter.
5	Wed.	39	27	40	27	6 3	6 43		Wednes. before Easter, fine
6	Thur.	37	29	38	28	6 26	7 59		Thursday before Easter.
7	Fri.	35	30	36	29	6 49	1 50		GOOD FRIDAY. Pleasant.
8	Sat.	33	31	35	30	7 11	13 19		*Easter-Eventide.*
9	A.	5 32	6 32	5 33	6 32	7 34	11 45		EASTER DAY.
10	Mon.	30	33	31	33	7 56	Morn.		Monday in Easter week.
11	Tues.	28	34	28	34	8 18	0 50		Cool wind, rain if wind be
12	Wed.	26	36	26	35	8 40	1 48		in the South or North
13	Thur.	24	37	24	36	9 2	2 37		west.
14	Fri.	22	38	23	37	9 23	3 16		Very changeable and still
15	Sat.	20	40	21	39	9 45	3 48		unsettled.
16	A.	5 18	6 42	5 20	6 40	10 6	4 16		*1st Sunday after Easter.*
17	Mon.	17	43	18	41	10 27	4 42		This week is pleasant.
18	Tues.	15	43	15	42	10 48	5 5		Some rain and wind but
19	Wed.	13	45	14	43	11 9	Sets.		winter is disappearing.
20	Thur.	11	47	13	44	11 30	7 44		Agreeable and pleasant.
21	Fri.	10	48	1	45	11 50	8 43		Change again to-day or this
22	Sat.	8	49	9	46	12 11	9 43		day with clouds.
23	A.	5 6	6 50	5 8	6 47	12 31	10 40		*2nd Sunday after Easter.*
24	Mon.	4	51	7	48	12 51	11 35		Eight good day—warm.
25	Tues.	3	53	5	49	13 10	Morn.		ST. MARK.
26	Wed.	2	55	4	50	13 30	0 27		Toward these days and to
27	Thur.	5 00	57	3	51	13 49	1 12		the end of the mouth there
28	Fri.	4 58	58	2	53	14 9	1 53		will be rain—cold mixed
29	Sat.	56	59	1	54	14 27	2 29		with snow and sleet.
30	A.	4 55	7 00	4 59	5 55	14 45	3 0		*3rd Sunday after Easter.*

APRIL.—As far as we have heard the last summer's drouth was long continued, and covered a large portion of this continent. Much suffering has been the result. Care must be taken to provide against the consequences through the winter of '70 and '71. Every blade of hay and straw must be taken care of. There must be no waste at the beginning. When the farmer comes to this month he will be over the extremity of winter, but this note will be read long before this time. We urge not without good reasons the utmost care in the wintering of stock. If the farmer is doubtful about bringing his stock safe through, it would be advisable to diminish the number by an early and profitable sale.

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Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
Full Moon.....	4	6 12 ev.	6 6 ev.	5 54 ev.	5 42 ev	5 34 ev.
Third Quarter.....	11	9 26 mo.	9 29 mo.	9 17 mo.	9 5 mo	8 57 mo.
New Moon.....	19	5 59 mo.	5 51 mo.	5 39 mo.	5 27 mo.	5 19 mo.
First Quarter.....	27	8 14 mo.	8 8 mo.	7 56 mo.	7 44 mo.	7 36 mo.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.		
								D.	h. m. s.	
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	1	11 56 58	
								9	11 56 14	
								17	11 56 8	
								25	11 56 38	
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	**Calendar, Aspects, &c.**		
1	Mon.	4 54	7 00	4 58	6 56	15 4	3 32	*St. Philip and St. James.*		
2	Tues.	53	1	57	57	15 22	3 59	May never opened more		
3	Wed.	51	3	55	59	15 39	4 29	pleasantly for the farmer.		
4	Thur.	50	4	54	7 00	15 57	Rises.	Weather good & fine, and		
5	Fri.	49	5	53	1	16 14	8 7	prospects are encouraging		
6	Sat.	47	7	51	2	16 31	9 24	for work.		
..	.....	.....	.....	.....	.....	.....	.....	.....		
7	A.	4 45	7 8	4 49	7 3	16 48	10 38	*4th Sunday after Easter.*		
8	Mon.	43	9	48	4	17 4	11 42	This week not so settled.		
9	Tues.	41	10	47	5	17 20	Morn.	There are indications of		
10	Wed.	40	11	46	6	17 36	0 34	cool rains with wind.		
11	Thur.	39	12	45	7	17 52	1 17	After which the days be-		
12	Fri.	37	13	44	8	18 7	1 53	come finer, although the		
13	Sat.	36	15	42	10	18 22	2 21	nights remain cool.		
..	.....	.....	.....	.....	.....	.....	.....	.....		
14	A.	4 34	7 16	4 41	7 12	18 37	2 48	*5th Sunday after Easter.*		
15	Mon.	33	17	40	13	18 51	3 10	Frequent showers and some		
16	Tues.	32	18	39	14	19 9	3 35	wind, but on the whole		
17	Wed.	31	19	38	15	19 19	3 59	seasonable weather.		
18	Thur.	30	20	37	16	19 32	4 25	ASCENSION DAY.		
19	Fri.	29	21	36	17	19 45	Sets.	Two days of very comfort-		
20	Sat.	28	22	35	19	19 58	8 35	able weather.		
..	.....	.....	.....	.....	.....	.....	.....	.....		
21	A.	4 27	7 23	4 34	7 20	20 10	9 30	*Sunday after Ascension.*		
22	Mon.	27	24	33	21	20 22	10 22	Rather unsettled but rains		
23	Tues.	26	25	32	22	20 34	11 10	and wind will come and		
24	Wed.	25	27	31	23	20 45	11 52	there must be flurries of		
25	Thur.	24	28	31	24	20 56	Morn.	wind and showers of		
26	Fri.	23	29	30	25	21 7	0 29	rains frequently these		
27	Sat.	22	30	29	25	21 17	1 3	days.		
..	.....	.....	.....	.....	.....	.....	.....	.....		
28	A.	4 21	7 31	4 28	7 26	21 27	1 33	WHITSUNDAY.		
29	Mon.	21	32	28	26	21 37	1 59	*Monday in Whitsun-week.*		
30	Tues.	20	33	27	26	21 46	2 26	*Tuesday in Whitsun-week.*		
31	Wed.	20	34	27	27	21 55	2 55			

MAY.—Please don't allow your cattle, pigs, colts and horses to run on the highways and public roads: of course a respectable farmer will not. But there are many careless people whose pastures are poor who do not seem to consider the mischief that may be done by the practice referred to. Many seem to think they have a right to do so. But most of the litigations between farmers have arisen from hungry cattle turning from a dry, barren roadside, and by force entering pasturage or fields where they are intruders and do immense damage to crops. Fences may be ever so high and strong, but some creatures have wonderful skill in removing obstructions, and the best way is for every farmer to keep his cattle, &c. at home.

ROBERT MILLER is the Agent for

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Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingstou.* h. m.	*Toronto.* h. m.	*London.* h. m.
Full Moon.....	3	1 39 mo.	1 33 mo.	1 21 mo.	1 9 mo.	1 1 mo.
Third Quarter.....	9	7 49 ev.	7 43 ev.	7 31 ev.	7 19 ev.	7 11 ev.
New Moon	17	9 41 ev.	9 35 ev.	9 23 ev.	9 11 ev.	9 3 ev.
First Quarter.....	25	5 56 ev.	5 50 ev.	5 38 ev.	5 26 ev.	5 18 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Sun on Meridian.		
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.		R. & S.	D.	h. m.	s.
									1	11 57	30
									9	11 58	52
									17	12 0	32
									25	12 2	16
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.			
1	Thur.	4 20	7 34	4 27	7 28	22	3	3 25	**Calendar, Aspects, &c.**		
2	Fri.	20	36	27	28	22	11	Rises.	June opens with splendour.		
3	Sat.	19	37	26	29	22	19	8 17	Weather fine and prospects good for farmers.		
4	A.	4 19	7 37	4 26	7 31	22	26	9 25	TRINITY SUNDAY.		
5	Mon.	18	38	25	31	22	33	10 26	A little unsettled but in a		
6	Tues.	17	39	24	32	22	39	11 15	day or two fine.		
7	Wed.	17	40	24	32	22	45	11 52	All serene and will continue steady for some days.		
8	Thur.	17	41	24	34	22	51	Morn.			
9	Fri.	17	42	24	34	22	56	0 25	Changeable and threatning rain.		
10	Sat.	17	42	24	35	23	1	0 52			
11	A.	4 17	7 43	4 24	7 36	23	5	1 17	*1st Sunday after Trinity.*		
12	Mon.	16	43	23	36	23	9	1 42	*St. Barnabas.*		
13	Tues.	16	44	23	37	23	13	2 4	Distant thunder-dark cloud		
14	Wed.	16	44	23	37	23	16	2 28	wind changes and they		
15	Thur.	16	43	23	38	23	19	2 57	are scattered.		
16	Fri.	16	46	23	38	23	21	Sets.	Showers in different parts.		
17	Sat.	16	46	23	39	23	23	7 25	Pleasant but warm.		
18	A.	4 16	7 46	4 23	7 39	23	25	8 19	*2nd Sunday after Trinity.*		
19	Mon.	16	46	23	39	23	26	9 9	This week will have some		
20	Tues.	16	47	23	40	23	27	0 52	rain with wind.		
21	Wed.	16	47	24	40	23	27	10 31	Considerable heat, but on		
22	Thur.	17	47	25	40	23	27	11 5	the whole the farmer's		
23	Fri.	17	47	25	39	23	26	11 35	prospects are good.		
24	Sat.	18	47	25	39	23	26	Morn.	*Nativ. of St. John Baptist.*		
25	A.	4 18	7 47	4 25	7 39	23	24	0 2	*3rd Sunday after Trinity.*		
26	Mon.	18	46	26	39	23	22	0 29	Very warm and fine.		
27	Tues.	19	46	26	39	23	20	0 55	Real Summer weather.		
28	Wed.	19	46	26	39	23	18	1 23	Dry and clear.		
29	Thur.	20	46	25	38	23	15	1 56	*St. Peter's Day.*		
30	Fri.	20	46	25	38	23	11	2 34	Pleasant weather.		

JUNE.—Horseshoeing is a business of great importance. For summer use let the toe of the hoof grow out to its natural length, long enough to get five nails into a side of the shoe instead of four, and that without encroaching on the sensitive heel. At the heel, bring the ends of the shoe in until they just clear the frog. Don't be afraid of a flat foot. Leave off the heel caulks and make the toe caulk very low and long, and if for light travelling thin and hard. When the ground is unfrozen this method is good and useful. Even old foundered horses, inveterate stumblers will travel quité well again if some attention is paid to their shoeing according to the above suggestions.

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Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
Full Moon	2	8 48 mo.	8 42 mo.	8 30 mo.	8 18 mo.	8 10 mo.
Third Quarter	9	8 21 mo.	8 15 mo.	8 3 mo.	7 51 mo.	7 43 mo.
New Moon	17	0 39 ev.	0 33 ev.	0 21 ev.	0 9 ev.	0 1 ev.
First Quarter	25	1 3 mo.	0 57 mo.	0 45 mo.	0 33 mo.	0 25 mo.
Full Moon	31	4 29 ev.	4 23 ev.	4 11 ev.	3 59 ev	3 51 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Sun on Meridian.
									D. h. m. s.
									1 12 3 29
									9 12 4 52
									17 12 5 49
									25 12 6 14
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.		R. & S.	
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	Calendar, Aspects, &c.
1	Sat.	4 20	7 46	4 27	7 39	23	8	Rises.	Very pleasant.
2	A.	4 21	7 46	4 28	7 39	23	3	8 8	*4th Sunday after Trinity.*
3	Mon.	22	46	29	39	22	59	9 3	Look which way is the wind.
4	Tues.	23	45	30	38	22	54	9 47	If westerly rain will come,
5	Wed.	23	45	30	38	22	48	10 25	if northerly cool wind but
6	Thur.	24	44	31	38	22	43	10 54	not sufficient to counter-
7	Fri.	25	44	32	38	22	36	11 20	act wholly the effects a
8	Sat.	26	44	33	37	22	30	11 43	hot sun. Dry.
9	A.	4 27	7 43	4 34	7 36	22	23	Morn.	*5th Sunday after Trinity.*
10	Mon.	28	43	34	36	22	16	0 8	Weather steady and of a
11	Tues.	28	43	34	36	22	8	0 32	type similed to last week.
12	Wed.	30	42	34	35	22	0	0 58	Unsettled but there will
13	Thur.	30	41	35	34	21	51	1 20	be showers with consider-
14	Fri.	31	41	36	34	21	42	2 3	able heat.
15	Sat.	32	41	37	33	21	33	2 43	Very warm day.
16	A.	4 33	7 40	4 38	7 32	21	23	3 29	*6th Sunday after Trinity.*
17	Mon.	33	39	39	32	21	14	Sets.	Thunder and storms.
18	Tues.	34	38	40	31	21	3	10 32	Heavy rains—some wind.
19	Wed.	35	37	41	30	20	53	9 7	Agreeable time all through
20	Thur.	36	36	42	29	20	41	9 38	the country and every
21	Fri.	37	35	43	29	20	30	10 7	prospect of a better har-
22	Sat.	38	34	44	28	20	18	10 33	vest than last year.
23	A.	4 39	7 33	4 45	7 27	20	6	10 59	*7th Sunday after Trinity.*
24	Mon.	40	32	46	26	19	54	11 26	Beautiful day.
25	Tues.	41	31	47	25	19	41	11 55	*St. James' day.*
26	Wed.	42	30	47	24	19	28	Morn.	This part of the month will
27	Thur.	43	30	49	23	19	15	0 29	be fair and fine but very
28	Fri.	43	28	49	22	19	1	1 10	warm and to-day ex-
29	Sat.	44	27	50	21	18	47	2 3	hausting.
30	A.	4 46	7 26	4 51	7 21	18	33	3 4	*8th Sunday after Trinity.*
31	Mon.	47	25	52	20	18	18	Rises.	Pleasant and dry.

JULY.—We have a word to say to farmers about training horses. It is easy to train a horse not to be dangerous, but it requires patience and good sense in the trainer and something like good sense in the colt, for there is a very great difference in all animals. Be gentle and kind. Early accustom colts to a saddle and girth or harness. Teach them to hold back a carriage on a down hill grade by bracing their hips against it. A horse taught in that way would not be scared if the breast strap should give way or the pole break. Educate your colts; train them correctly. The usual methods of breaking young horses are cruel and far from successful. Early use to the bit, and early saddling and harnessing with gentle treatment will do wonders.

PAYSON, DUNTON and SCRIBNER'S System of

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Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h. m.	h. m.	h. m.
Third Quarter.....	7	11 36 ev.	11 30 ev.	11 18 ev.	11 6 ev.	10 58 ev.
New Moon.....	16	2 14 mo.	2 8 mo.	1 56 mo.	1 44 mo.	1 36 mo.
First Quarter.....	23	6 47 mo.	6 41 mo.	6 29 mo.	6 17 ev.	1 9 mo.
Full Moon.....	30	1 33 mo.	1 27 mo.	1 15 mo.	1 3 mo.	0 55 mo.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.	
								D.	h. m. s.
								1	12 6 4
								9	12 5 17
								17	12 3 53
								25	12 1 57
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.		
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.		Calendar, Aspects, &c.
1	Tues.	4 48	7 24	4 54	7 18	18 3	8 10		August opens fair, and continues so for some days.
2	Wed.	50	22	55	17	17 48	8 52		
3	Thur.	51	21	56	16	17 32	9 21		Showers there may be,
4	Fri.	52	20	57	15	17 16	9 46		but on the whole the wea-
5	Sat.	53	19	58	14	17 0	10 10		ther will be agr'bly warm.
6	A.	4 55	7 17	4 59	7 13	16 44	10 35		*9th Sunday after Trinity.*
7	Mon.	56	16	5 0	12	16 27	11 10		Warm and dry.
8	Tues.	57	14	1	10	16 10	11 30		Thunder and lightning.
9	Wed.	58	12	2	8	15 53	Morn.		A little changeable but on
10	Thur.	59	11	3	7	15 36	0 2		the whole a fine week.
11	Fri.	5 1	9	5	6	15 19	0 40		Hay crop good and almost
12	Sat.	2	8	6	4	15 0	1 21		all in.
13	A.	5 3	7 7	5 7	7 3	14 42	2 13		*10th Sunday after Trinity.*
14	Mon.	4	5	8	1	14 24	3 9		This is the week for warm
15	Tues.	5	3	9	6 59	14 5	4 7		showers, several times
16	Wed.	6	2	10	58	13 46	Sets.		they have come, and again
17	Thur.	7	1	11	57	13 27	8 10		about now they may be
18	Fri.	8	6 59	12	56	13 8	8 36		expected. Not much wind.
19	Sat.	9	57	13	54	12 48	9 3		Warm.
20	A.	5 11	6 55	5 14	6 55	12 29	9 29		*11th Sunday after*
21	Mon.	12	54	16	50	12 9	9 59		The prognosticator
22	Tues.	13	52	17	49	11 49	10 29		cha geable weat
23	Wed.	14	50	18	47	11 29	11 7		foretells frequent
24	Thur.	16	48	19	46	11 8	11 54		*St. Bartholomew.*
25	Fri.	18	46	20	44	10 47	Morn.		Weather steadier.
26	Sat.	19	45	21	43	10 27	0 50		Very warm to day.
27	A.	5 20	6 43	5 22	6 40	10 6	1 54		*12th Sunday after Trinity.*
28	Mon.	21	41	24	38	9 45	3 6		The nights are cool.
29	Tues.	22	40	25	37	9 23	Rises.		Continues fine.
30	Wed.	23	38	26	36	9 2	7 18		Fair and fine.
31	Thur.	24	36	27	34	8 40	7 45		The same as yesterday.

AUGUST.—In these days when disease of the throat prevails and particularly a dry, hacking cough, those afflicted may be benefitted by trying what virtue there is in common salt. We commenced by using it three times a day—morning, noon and night. We dissolved a large teaspoonful of common salt in a tumbler ful! of cold water, and with this we gargled effectually just before meal time. During the following winter we were not only free from the usual coughs and colds but a dry, hacking cough has entirely disappeared. We attribute our improvement to the salt gargle. Others have tried it with the same results, and we can heartily recommend this simple remedy for sore throat and coughs.

Use CUSSON'S Lumber Reckoner.

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Published by ROBERT MILLER.

Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h. m.	h. m.	h. m.
Third Quarter	6	5 22 ev.	5 16 ev.	5 4 ev.	4 52 ev.	4 44 ev.
New Moon	14	2 21 ev.	2 15 ev.	2 3 ev.	1 51 ev.	1 43 ev.
First Quarter	21	0 24 ev.	0 18 ev.	0 6 ev.	11 54 mo.	11 46 mo.
Full Moon	28	0 56 ev.	0 50 ev.	0 38 ev.	0 26 ev.	0 18 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.
								D. h. m. s.
								1 11 59 54
								9 11 57 15
								17 11 54 28
								25 11 51 41
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	**Calendar, Aspects, &c.**
1	Fri.	5 26	6 34	5 27	6 33	8 19	8 12	Opens finely and continues
2	Sat.	28	32	28	32	7 57	8 35	pleasant.
3	A.	5 29	6 30	5 30	6 29	7 35	9 1	*13th Sunday after Trinity.*
4	Mon.	30	28	31	28	7 13	9 28	Rain and cool too, but now
5	Tues.	31	26	32	26	6 50	9 59	quite pleasant.
6	Wed.	32	24	34	25	6 28	10 35	The Moon's change is fa-
7	Thur.	33	23	35	23	6 6	11 16	vorable for continuance of
8	Fri.	35	21	36	21	5 43	Morn.	dry weather and prospects
9	Sat.	36	19	37	20	5 20	0 3	of an agreeable fall.
10	A.	5 37	6 17	5 38	6 18	5 58	0 57	*14th Sunday after Trinity.*
11	Mon.	38	16	39	16	4 35	1 56	Very fine and fair.
12	Tues.	40	14	40	15	4 12	2 59	Changeable to-day and still
13	Wed.	42	12	41	13	3 49	4 4	unsettled.
14	Thur.	43	10	42	11	3 26	Sets.	Can't promise anything
15	Fri.	44	7	43	9	3 3	7 5	better– will be change-
16	Sat.	45	6	45	8	2 40	7 32	able with rains.
17	A.	5 46	6 4	5 46	6 7	2 17	7 59	*15th Sunday after Trinity.*
18	Mon.	48	2	47	5	1 53	8 31	Steadier and fine.
19	Tues.	49	1	48	3	1 30	9 7	Pleasant and cool.
20	Wed.	50	5 58	49	1	1 7	9 51	Fair and fine.
21	Thur.	51	56	50	5 57	0 43	10 42	*St. Mathew's day.*
22	Fri.	52	57	52	56	0 20	11 44	Look out for rain [illegible]
23	Sat.	54	55	55	54	South.	Morn.	days.
24	A.	5 56	5 53	53	5 52	0 26	0 51	*16th Sunday after Trinity.*
25	Mon.	56	52	5 54	50	0 49	2 3	Which will continue dull
26	Tues.	57	50	55	49	1 13	3 14	and dreary.
27	Wed.	59	47	57	47	1 36	4 25	Now pleasanter and to-day
28	Thur.	6 00	44	59	45	1 59	Rises.	very fine.
29	Fri.	1	42	6 00	43	2 23	6 35	*St. Michael and all Angels.*
30	Sat.	2	40	1	40	2 46	7 2	Rains, rains, rains.

SEPTEMBER.—Some years ago we gave a piece of advice which it has been suggested should be repeated. Canada thistles should be mown down when they are in full bloom or a little past; one cutting will generally suffice. Large quantities have frequently been destroyed by once mowing, and it has been equally successful on white alders when cut in the same forward state. White daisies or johnsworts are hard to exterminate. Where a good supply of plaster or gypsum is scattered over the land white or red clover may take the place of johnswort. But there is nothing better than sheep for destroying weeds. By repeatedly pasturing with sheep the daisy will disappear, so will johnswort and other less troublesome weeds. You may destroy your weeds and feed your sheep.

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All kinds of School Requisites at ROBERT MILLER'S.

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
Third Quarter . . .	6	0 44 ev.	0 38 ev.	0 26 ev.	0 14 ev.	0 6 ev.
New Moon.....	14	1 31 mo.	1 25 mo.	1 13 mo.	1 1 mo.	0 53 mo.
First Quarter.....	20	7 6 ev.	7 00 ev.	6 48 ev.	6 36 ev.	6 28 ev.
Full Moon..... ...	28	3 26 mo.	3 20 mo.	3 8 mo.	2 56 mo.	2 48 mo.

Days. M.	Week.	Montreal. Sun Rises. h. m.	Montreal. Sun Sets. h. m.	Toronto. Sun Rises. h. m.	Toronto. Sun Sets. h. m.	Sun's Declinat. South. Deg. Min.	The Moon. R. & S. h. m.	Calendar, Aspects, &c.
								Sun on Meridian. D. 1 9 17 25 — h. m. s. 11 49 41 11 47 17 11 45 26 11 44 11
1	A.	6 3	5 38	6 2	5 38	3 10	7 27	17*th Sunday after Trinity.*
2	Mon.	4	36	3	36	3 33	7 57	We expect some few fine
3	Tues.	5	34	4	34	3 56	8 30	days at the beginning of
4	Wed.	7	32	5	33	4 19	9 9	this month, but with the
5	Thur.	8	30	6	32	4 44	9 54	moon's change on the 6th
6	Fri.	9	27	7	29	5 6	10 44	there comes a certainty
7	Sat.	11	25	8	27	5 29	11 41	of rains—very showery.
8	A.	6 12	5 24	6 9	5 26	5 52	Morn.	18*th Sunday after Trinity.*
9	Mon.	13	21	10	24	6 14	0 42	Somewhat cool and rough
10	Tues.	14	20	11	22	6 37	1 45	with wind and rains.
11	Wed.	15	19	12	20	7 0	2 51	Much pleasanter to day,
12	Thur.	16	17	14	19	7 23	4 0	and this day fine.
13	Fri.	18	14	15	17	7 45	5 10	Settling down for some
14	Sat.	20	12	16	15	8 8	Sets.	days of fair and fine.
15	A.	6 21	5 9	6 17	5 13	8 30	6 29	19*th Sunday after Trinity.*
16	Mon.	23	7	19	12	8 52	7 3	Good weather, a little un-
17	Tues.	24	5	20	9	9 14	7 52	settled and then
18	Wed.	25	4	21	8	9 36	8 36	*St. Luke the Evangelist.*
19	Thur.	26	2	22	6	9 58	9 36	comes a gale of wind
20	Fri.	28	1	24	5	10 19	10 43	with heavy rains but not
21	Sat.	29	4 59	25	3	10 41	11 53	a general rain.
22	A.	6 31	4 57	6 27	5 2	11 2	Morn.	20*th Sunday after Trinity.*
23	Mon.	32	55	28	4 59	11 23	1 4	Very fine day but now
24	Tues.	33	53	29	58	11 44	2 13	again a change and a
25	Wed.	35	52	30	57	11 5	3 20	storms comes.
26	Thur.	36	50	31	56	12 26	4 25	Settled and fine cool and
27	Fri.	38	49	32	54	12 46	Rises.	pleasant.
28	Sat.	39	47	33	53	13 7	5 28	*Sts. Simon and Jude.*
29	A.	6 41	4 46	6 35	4 52	13 27	5 27	21*st Sunday after Trinity.*
30	Mon.	42	46	38	50	13 47	6 28	The month goes out with
31	Tues.	43	45	40	48	14 6	7 5	pleasant days.

OCTOBER.—Farmers, let one or more of your boys learn a trade. Caution them against running off to cities or towns to seek offices or become clerks in dry good or other stores. Any boy that takes a dislike to farming, and has a hankering after what he may think an easier life, is to be watched and cautioned against himself; yes, against himself, for he is in very great danger of running headlong to ruin. Give that boy a trade, don't give him pocket money and intimate to him that he may do as he pleases. The probability is that he will hang round the old house and do nothing for himself or any body else. If there are more boys than can be useful on the farm give some a good trade.

Orders for every description of Printing received

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by ROBERT MILLER Stationer, Montreal.

Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h. m.	h. m.	h. m.
Third Quarter.....	5	8 7 mo.	8 1 mo.	7 49 mo.	7 37 mo.	7 29 mo.
New Moon.....	12	0 21 ev.	0 15 ev.	0 3 ev.	11 51 ev.	11 43 ev.
First Quarter.....	19	3 59 mo.	3 53 mo.	3 41 mo.	3 29 mo.	3 21 mo.
Full Moon.....	26	9 5 ev.	8 59 ev.	8 47 ev.	8 35 ev.	8 27 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.	
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.	D.	h. m. s.
								1	11 44 42
								9	11 43 57
								17	11 45 7
								25	11 47 9
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	Calendar, Aspects, &c.	
1	Wed.	6 44	4 44	6 41	4 47	14 26	7 47	ALL SAINTS DAY.	
2	Thur.	46	42	43	45	14 45	8 36	November opens with cold	
3	Fri.	48	40	44	44	15 4	9 28	wind and rain.	
4	Sat.	49	39	45	43	15 22	10 27	Improving and fine.	
5	A.	6 50	4 37	6 47	4 41	15 41	11 29	*22nd Sunday after Trinity.*	
6	Mon.	52	36	48	40	15 59	Morn.	Changeable but mostly	
7	Tues.	54	34	49	39	16 17	0 33	tending to cold rains with	
8	Wed.	55	32	50	38	16 34	1 38	wind.	
9	Thur.	56	31	51	36	16 52	2 46	More settled and there will	
10	Fri.	57	29	53	35	17 9	3 50	be three very fine days	
11	Sat.	58	28	54	34	17 25	5 10	from the 10th.	
12	A.	7 00	4 27	6 55	4 33	17 42	Sets.	*23rd Sunday after Trinity.*	
13	Mon.	1	26	56	32	17 58	5 37	Change of moon yesterday	
14	Tues.	3	25	58	31	18 14	6 26	brought a tendency to	
15	Wed.	5	24	7 00	30	18 29	7 23	rainy weather.	
16	Thur.	6	23	1	29	18 44	8 30	Again settled but there will	
17	Fri.	7	22	2	28	18 59	9 41	be a cold blast from the	
18	Sat.	8	21	3	27	19 14	10 54	north.	
19	A.	7 11	4 20	7 5	4 27	19 28	Morn.	*24th Sunday after Trinity.*	
20	Mon.	12	19	6	26	19 42	0 5	Rather expect cold rains	
21	Tues.	13	18	7	26	19 55	1 12	in the West, but in the	
22	Wed.	14	18	8	25	20 8	2 18	East snow, and even	
23	Thur.	16	17	10	24	20 21	3 21	enough for sleighing.	
24	Fri.	17	16	11	24	20 32	4 24	Pretty hard frost but very	
25	Sat.	18	15	12	23	20 45	5 26	fine to-day.	
26	A.	7 19	4 15	7 13	4 22	20 57	Rises.	*25th Sunday after Trinity.*	
27	Mon.	21	15	15	21	21 8	5 3	Full moon yesterday came	
28	Tues.	22	14	16	21	21 19	5 43	at a time which forecasts	
29	Wed.	23	13	17	20	21 29	6 28	for snow storms.	
30	Thur.	25	13	18	19	21 39	7 21	ST. ANDREW'S DAY.	

NOVEMBER.—Once more we suggest to farmers the propriety of paying some attention to the science of their business. It will not do now to decry against book learning. Not to say anything of the many valuable treatises now extant on scientific agriculture which are within the reach of all, there are now published many first-class periodicals devoted to agriculture, horticulture and kindred subjects. We have sometimes been greatly grieved when a farmer has spoken to us in such a way about books and papers as to lead to the conclusion that in his opinion money so spent was money thrown away. It is not so, and a little thought will convince any one of the necessity of thought and reading.

Country Booksellers can get every description of Plain

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Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
Third Quarter.....	5	1 58 mo.	1 52 mo.	1 40 mo.	1 28 mo.	1 20 mo.
New Moon.....	11	1 14 ev.	11 8 ev.	10 56 ev.	10 44 ev.	10 36 ev.
First Quarter.....	18	3 53 ev.	3 47 ev.	3 35 ev.	3 23 ev.	3 15 ev.
Full Moon.....	26	4 47 ev.	4 41 ev.	4 29 ev.	4 17 ev.	4 9 ev.

Days.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Sun on Meridian.		
									D.	h. m. s.	
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.		R. & S.	1	11 49 12	
									9	11 52 22	
									17	11 56 20	
									25	12 0 19	
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	Calendar, Aspects, &c.		
1	Fri.	7 26	4 12	7 19	4 19	21	49	8 16	Not pleasant but		
2	Sat.	26	12	21	19	21	58	9 16	this day will be fine.		
3	A.	7 28	4 12	7 21	4 19	22	7	10 17	*1st Sunday in Ad ent.*		
4	Mon.	29	11	22	18	22	18	11 22	The moon's change on the		
5	Tues.	30	11	24	18	22	23	Morn	5th brings fine, cold, clear		
6	Wed.	31	11	25	17	22	30	0 26	and bracing weather.		
7	Thur.	32	11	26	17	22	37	1 32	Hard frost—cold wind.		
8	Fri.	33	11	27	17	22	44	2 43	Continues cold.		
9	Sat.	35	11	28	18	22	50	3 55	Cold and stormy.		
10	A.	7 35	4 11	7 28	4 18	22	55	Sets.	*2nd Sunday in Advent.*		
11	Mon.	36	11	29	18	23	1	4 10	This part of the month will		
12	Tues.	37	11	30	18	23	5	5 4	be stormy, snowy and		
13	Wed.	38	11	31	18	23	10	6 10	every prospect of a plenti-		
14	Thur.	39	11	32	18	23	13	7 22	ful downfall of snow, with		
15	Fri.	40	12	32	18	23	17	8 38	some wind.		
16	Sat.	41	12	33	19	23	20	9 52	Very windy weather.		
17	A.	7 42	4 12	7 34	4 19	23	22	11 3	*3rd Sunday in Advent.*		
18	Mon.	42	12	34	20	23	24	Morn.	Very changeable and un-		
19	Tues.	43	13	34	20	23	25	0 10	sett'ed. Look out for		
20	Wed.	43	13	36	20	23	26	1 15	storms and snow.		
21	Thur.	44	14	36	20	23	27	2 17	*St. Thomas' Day.*		
22	Fri.	45	15	37	21	23	27	3 19	REMEMBER THE POOR.		
23	Sat.	45	16	37	21	23	27	4 21	Cold, but pleasant.		
24	A.	7 45	4 16	7 38	4 22	23	26	5 51	*4th Sunday in Advent.*		
25	Mon.	45	16	38	23	23	24	6 20	CHRISTMAS DAY.		
26	Tues.	46	17	38	24	23	23	Rises.	*St. Stephen.*		
27	Wed.	46	18	38	24	23	20	5 16	*St. John the Evangelist.*		
28	Thur.	46	18	38	25	23	17	5 10	*Holy Innocents.*		
29	Fri.	47	18	39	26	23	14	7 9	The month ends rather		
30	Sat.	47	19	39	26	23	10	8 9	roughly and cold.		
31	A.	47	20	39	27	23	6	9 11	*1st Sunday after Christmas.*		

DECEMBER,—Cattle when standing in the stable often suffer for want of water. A simple and ingenuous plan is suggested by which a constant supply may be obtained. Provide a small, fixed trough a foot or so square and six or eight inches deep for each stall. Let these be exactly on a level, and connect them by means of a pipe opening into each one with a barrel which is fed by another pipe leading from the water supply. This last pipe must be furnished with a faucet and a floating ball valve so adjusted that it will keep the water in the barrel at the level required for the small troughs. The supply of water will be regulated by the action of the floating valve and the supply kept in the troughs.

ROBERT MILLER, Manufacturer of Bankers, Merchants,

DOMINION OF CANADA.

SEAT OF GOVERNMENT, OTTAWA.

Governor General.—The Right Honorable Sir JOHN YOUNG, Bart., G.C.B., G.C.M.G., Governor General of Canada, &c., &c., &c.

Francis Turville, Governor's secretary; lieut-col. J. C. McNeil, V. C., military secretary and-aide-de camp; Lieut-col. Irvine, principal aide-de-camp; lieut-col. Duchesnay, lieut-col. Bernard, lieut-col. F. Cumberland, extra aides-de-camp.

Deputy Governors to sign Money Warrants.—Wm. H. Lee and Wm. A. Himsworth.

PRIVY COUNCIL.—Minister of Justice and Attorney General, hon. Sir J. A. Macdonald, K.C.B.; Minister of Militia and Defence, hon. Sir G. E. Cartier, Bart.; Minister of Customs, Hon. S. L. Tilley, C.B.; Minister o. Public Works, hon. H. C. Langevin, C.B.; Minister of Inland Revenue, hon. Alex. Morris; Secretary of State for Provinces, hon. Joseph Howe; President of the Privy Council, hon. Ed. Kenny; Minister of Marine and Fisheries, hon. P. Mitchell; Postmaster-General, hon. A. Campbell; Minister of Agriculture, hon. C. Dunkin; Secretary of State for Canada, hon. J. C. Aikins; Receiver General, hon. J. C. Chapais; Minister of Finance, Sir F. Hincks, C.B., K.C.M.G.

PROVINCE OF ONTARIO.

SEAT OF GOVERNMENT—TORONTO.

Lieutenant-Governor—Hon. W. P. Howland, C.B.

Private Secretary.—E. G. Curtis.

Executive Council.—Attorney-general, hon. J. S. Macdonald; secretary and registrar, hon. M. C. Cameron; minister of agriculture, hon. John Carling; commissioner of crown lands, hon. Stephen Richards; treasurer, hon. E. B. Wood; clerk, John Ross.

PROVINCE OF QUEBEC.

SEAT OF GOVERNMENT— QUECEC.

Lieutenant-Governor.— Hon. Sir Narcisse Fortunat Belleau, knight; Arthur Taschereau, major, 17th battalion V. M., aide-de-camp.

EXECUTIVE COUNCIL —Hon. P. J. O. Chauveau, premier, provincial secretary and registrar, and minister of public instruction; hon. Gédéon Ouimet, attorney general; hon. Jos. Gibb Robertson, treasurer; hon. Joseph O. Beaubien, commissioner of crown lands; hon. Louis Archambault, commissioner of public works; hon. C. B. DeBoucherville, speaker Legislative Council; hon. George Irvine, solicitor general.

PUBLIC DEPARTMENTS.

Department of Public Instruction.— Hon. P. J. O. Chauveau, Minister of Public Instruction; Dr. Louis Giard, Secretary to the Minister of Public Instruction; H. H. Miles, Assistant Secretary.

Sale of Lands, Western Section.—W. F. Collins, Secretary.

English and American Paper Hangings.

Woods and Forests.—L. A. Robitaille, Superintendent.
Sale of Lands, Eastern Section.—L. D. Lemoine, and L. L. Rivard, Secretaries.
Cadastral Office, Montreal.—J. B. Varin, Secretary.
Cadastral Office, Quebec.—P. L. Morin, and Hector Leber, surveyors and draughtsmen.
Crown Timber Agents.—Ottawa, A. J. Russell, Assistant Commissioner; C. S. McNutt, agent; Montreal, C. E. Belle, agent; J. C. Coursolles, clerk. Three Rivers, A. Dubord, agent; Wm. Lamb, clerk. Chicoutimi, G. Duberger, agent. River du Loup *en bas*, C. T. Dubé, agent. Carleton, P. Q., J. N. Verge, agent, Quebec.

PROVINCE FO NEW BRUNSWICK.

Lieutenant-Goaernor,—Hon. L. A. Wilmot, D.C.L., Frederickton.
Executive Council.—Hon. John McAdam, president of the Council; Hon. W. M. Keller, commissioner Public Works; Hon. Geo. E. King, Attorney General; Hon. J. A. Beckwith, Provincial Secretary, Registrar and Receiver General; Hon. B. Beveridge, and Hon. Wm. Lindsay and Hon. Wm. Taylor, (without office;) F. A. H. Stratton, Clerk Executive Council.

NOVA SCOTIA.

SEAT OF GOVERNMENT—HALIFAX.

Lieutenant Governor.—Major Gen. SIR CHARLES HASTINGS DOYLE, K.C. M.G.
Administrator of the Government.—The Hon. Edward Kenny.
Executive Council.—Hon. W. Annand, treasurer; hon. M. I. Wilkins, attorney-general; hon. W. B. Vail, provincial secretary; hon. R. Robertson, commissioner of Mines and Works.
Hon. R. A. McHeffey, hon. J. Fergusson, hon. E. P. Flynn, hon d.aaJr C. Troop, hon. James Cachran, members without office.

PROVINCE OF PRINCE EDWARD ISLAND.

His Honor Sir ROBERT HOGDSON, Knight, administrator ; R. Robinson Hogdson, private secretary; hon. Benjamin Davies, colonial secretary; hon. James Warburton, colonial treasurer; D. O. M. Reddin, attorney-general; William E Clark, controller of customs; hon. John Aldous, commissioner of crown and public lands; J. Alexander Dingwell, registrar of deeds and keeper of plans; Joseph Ball, surveyor general, in connection with crown land office; J. A. Macdonald, postmaster general; Edward Reilly, Queen's printer; Rev. Dr. Jenkins, libarian, Henry Naszard, surveyor of shipping; Louis F. Davies, solicitor general.

NEWFOUNDLAND.

(Newfoundland is a sufficient Post Office address for all the following:
Lieutenant Governor.—His Excellency Stephen J. Hill, C.B; private secretary, captain Shea, R.A.; Colonial aide-de-camp, Edward L. Jarvis, Esq.
EXECUTIVE COUNCIL.—Hons. Charles F. Bennett, (Premier), James S. Clift, Thomas Talbot; Thomas Glen, receiver-general; Major Renouf,

R. MILLER, Importer of Inks, Twines, Pens, Envelopes,

surveyor-general and chairman of Board of works; Joseph T. Little, attorney general; Robert Alsop, colonial secretary and clerk of Executive Council.

PUBLIC OFFICES (DEPARTMENTAL).—Hon. Joseph T. Little, attorney-general; hon. Robert Alsop, colonial secretary; hon. Thomas Glen, receiver general; Major Renouf, surveyor-general and chairman of Board of works.

MANITOBA.

SEAT OF GOVERNMENT—FORT GARRY.

Lieut. Governor.—The hon. Adam G. Archibald.

SCHOOL COMMISSIONERS FOR THE CITY OF MONTREAL.

Protestant Board.—Hon. Jas Ferrier, rev. Dr. Jenkins, rev. Dr. Bancroft, rev. Professor McVicar, J. Thompson, Esq., ; Wm. Lunn, Esq. S.T.

Roman Catholic Board.—Rev. Rousselot, Ed. Murphy, Esq., N. Valois, Esq., L. Belanger, Esq., P. S. Murphy, Esq., rev. P. Leblanc; M. Desnoyers, S. T.

SCHOOL COMMISSIONERS FOR THE CITY OF QUEBEC.

Protestant Board.—Rev. C. Hamilton, W. Walker, Esq., R. H. Smith, Esq., C. Wurtele, Esq., Wm. Hossack, Esq., Jos. Whithead, Esq., ; rev. W. B. Clarke, S. T.

Roman Catholic Board.—Joseph Crémazie, Esq., rev. Jos. Auclair, rev. Jas. Niville, rev. Z. Charest, rev. B. McGauran, T. Fournier, Esq.

EMIGRATION DEPARTMENT.

Quebec.—L. Stafford, agent; F. J. Doré, assistant; Wm. Anderson, interpreter; Montreal.—J. J. Daley, agent; Ottawa.— W. J. Wills, agent, Kingston.—Macpherson, agent; Toronto.—J A. Donaldson, agent; Hamilton.—R. H. Rae, agent; St. John, N. B.—Robert Shives; Miramichi, N.B.—J. J. G. Layton; Halifax, N.S.—E. Clay.

EMIGRATION AGENTS IN EUROPE.

William Dixon, agent at London; J. G. Moylan, agent at Dublin; Charles Foy, agent at Belfast; David Shaw, agent at Glasgow; E. Simays, continental agent at Antwerp.

The *American Agriculturist* says that the reports from the Harrison potato are wonderfully favorable. It has withstood both drought and wet better than any other variety. It has everywhere given good crops. Cut to single eyes and planted singly, it has yielded fully one hundred for one, and in some cases two-hundred fold. L. T. Mapes, of Orange county, New York, reports one hundred and eighty good marketable potatoes, besides small ones, for *one* planted.

Photographic Albums, Slates, Satchels and Fancy Boxes.

RATES OF POSTAGE.

Description of Matter.	Between any place in Canada.	To Great Britain by Canadian Mail Line.	To Great Britain by Cunard and other Steamers from New York.	To France by Canadian Mail Line.	To the United States.
Letters	3 cts, per ½ oz., prepaid 5 " " unpaid.	6½ cts. per ½ oz., prepaid	8 cts. per ½ oz., prepaid	17 cts. per ¼ oz.—Prepaymt reqd.	6 cents per ½ oz., prepaid. 10 cents " unpaid.
Local or "Drop" Letters (that is, Letters for Delivery from same Office where they are posted).	Local Letters, 1 ct. each. Prepayment by Stamp required.	.....	.....	.....	.....
Books and Pamphlets	1 cent per oz.—Prepayment by Stamp required.	British Book Post (*a*)	9 cents per 4 oz.	French Book Post (*b*)	1 cent per oz.—Prepayment required.
Circulars, printed	1 cent each when sent singly.—Prepayment by Stamp required.	Do.	.....	Do.	Do. Do.
Newspapers, Canadian, (sent to subscribers).	Once a wk., 5 cts. a Qrter Twice " 10 " " 3 times " 15 " " Daily 30 " "	If prepaid from office of publication, subject to same commuted rates as to subscribers in Canada.	As by Canadian Steamer (covering Canadian Postage only) but subject on delivery to 1d. Stg. each.	Do.	Same as between places in Canada, subject on delivery to American Postage.
Newspapers, Transient	2 cents each.—Prepayment by Stamp required.	2 cents each—Prepayment by Stamp required.	2 cents each.—Prepayment by Stamp required.	Do.	2 cts. each.—Prepayment by Stamp required.
Periodicals	1 ct. per 4 oz.—Prepayment by Stamp required.	2 c. each No., if published in Canada: British Bk. Post, if Foreign (*a*)	9 cents per 4 oz.—Prepayment by Stamp required.	Do.	1 cent per 4 oz.—Prepayment by Stamp requir'd.
Prices Current	1 cent per oz.—Prepayment by Stamp required.	2 cents each; or, in bulk at British Book Post. (*a*)	2 cents each.—Prepayment by Stamp required.	Do.	1 cent per oz.—Prepayment by Stamp requir'd.
Parcels	12½ cts. per ½ lb. (*c*)—Prepayment by Stamp required.	.....	.....	.....	.....
Patterns and Samples of Merchandise.	1 cent per oz.—Prepayment by Stamp required.	British Book Post (*a*).	.....	.....	.....
Photographs (Cartes de Visite).	Do. Do. Do.	Do. Do.	.....	French Book Post (*b*)	1 cent per oz.—Prepayment by Stamp requir'd

Explanation for a. b. c.—See page 33.

ROBERT MILLER, Manufacturing Stationer and Importer

MILLER'S

[1871.

(*a*) BRITISH BOOK POST.

Under 4 ounces	7 cents.
Between 4 and 8 oz	12½ "
" 8 and 12 oz	19 "
" 12 oz. and 1 lb	40 "

and so on.

(*b*) FRENCH BOOK POST.

Under 2 ounces	5 cents.
Between 2 and 4 oz	10 "
" 4 and 8 oz	20 "
" 8 oz. and 1 lb	40 "

and so on.

(*c*) PARCEL POST.

Under ½ lb.	12 cents.
Between ½ lb. and 1 lb	25 "
" 1 lb. and 1½ lb	37½ "
" 1½ lb. and 2 lbs	50 "
" 2 lbs. and 2½ lbs.	62½ "
" 2½ lbs. and 3 lbs	75 "
" 3 lbs. and 3½ lbs	87½ "
" 3½ lbs. and 4 lbs	$1.00
Registration Fee	5 "

Parcels sent by Post to places in Canada may contain books, daguerreotypes, photographs, printer's proof and copy, military returns, states and rolls containing written figures and signatures, returns, deeds, legal papers, and all transmissions of a like character, not being strictly letters.

A Book Packet may contain any number of separate books, publications, works of literature and art, maps or prints, photographs, daguerreotypes, when not on glass, or in frame containing glass; any quantity of paper, vellum, or parchment (to the exclusion of letters); and the book, maps, papers, &c, may be either written, printed or plain, or any mixture of the three; and may be either British, Colonial or Foreign.

Book Packets must be open at *both ends or both sides.*

REGISTRATION.

No letter, Book, Newspaper, Parcel or Packet of any kind whatever can be received for registration unless both postage and registration fee are fully prepaid.

REGISTRATION FEE ON LETTERS.

To any place in Canada, Newfoundland or Prince Edwards Island	2 cents.
" the United States	5 "
" the United Kingdom	8 "
" France	17 cents per ½ oz.

Australian colonies, Letters, 23 cents per ½ oz ; Newspapers, 5 cents each.
Bermuda, Letters, 12 cents per ½ oz.; Newspapers, 2 cents each.
British Columbia, Letters, 10 cents per ½ oz.; Newspapers, 5 cents each.
Cuba and St. Thomas, Letters, 10 cents per ½ oz.; Newspapers, 2 cents each.
Gibraltar, Letters, 23 cents per ½ oz.; Newspapers, 3 cents each.
India, Letters, 30 cents per oz.; Newspapers, 5 cents each.
Italy (*not including Rome*), Letters, 23 cents per oz.; Newspapers, 6 cents under 2 oz.—13 cents under 4 oz.
Malta, Letters, 23 cents per ½ oz; Newspapers, 3 cents each.
Newfoundland, Letters, 12½ cents per ½ oz.; Newspapors and Books, same as between place in Canada.
New Zealand, Letters, 23 cents per ½ oz.; Newspapers, 5 cents each.
Norway, Letters, 27 cents per ½ oz.; Newspapers, 6 cents under 2 oz—13 cents under 4 oz.
Prince Edward's Island, Letters, Books, Papers, &c., the same as between places in Canada.
Prussia, Letters, 23 cents per ½ oz.; Newspapers, 6 cents under 2 oz.—13 cents under 4 oz
Red River, Letters, 6 cents per ½ oz.; Newspapers, 2 cents each.
Rome, Letters, 29 cents per 1 oz.; Newspapers, 3 cents each.

R. Miller Manufactures and keeps constantly in stock

B1

Switzerland, Letters, 26 cents per ½ oz.; Newspapers, 6 cents under 2 oz.—13 cents under 4 oz.

Vancouver's Island, Letters, 10 cents per ½ oz.; Newspapers, 2 cents each.

West Indies (British), Letters, 10 cents per ½ oz., if marked *via* New York, 12 cents *via* Halifax; Newspapers, 2 cents each.

West Indies (Foreign) *except Cuba and St. Thomas*, Letters 22 cents per ½ oz., if marked *via* New York; 12 cents *via* Halifax; Newspapers, 3 cents *via* New York; 2 cents *via* Halifax.

MEMORANDA.

Prices Current and Circulars for Great Britain, to pass as such, may not be placed in envelopes.

Photographs *in Cases*, within the Dominion, are liable to Parcel Post rates.

Samples or Seeds, including Cuttings, Bulbs, Roots, &c., pass at one cent per oz. within the Dominion, prepaid.

Letters containing money or Valuable Enclosures should be registered.

MONEY ORDER DEPARTMENT OF THE UNITED KINGDOM.

The Canadian Money Order Offices draw upon all the Money Order Offices in England, Ireland, and Scotland, and the Channel Islands, for any sum up to £10 sterling, and grant as many Orders for £10 sterling each, as may be needed to make up the amount to be remitted. The terms are as under:

On Orders up to £2	25 cents.
On Orders over £2, and up to £5	50 "
" " 5 " 7	75 "
" " 7 " 10	$1 00 "

ON THE LOWER PROVINCES.

The Canadian Money Order Offices draw upon all Money Order Offices in Prince Edward Island and Newfoundland. The Orders, like those of the United Kingdom, are made payable in sterling money, and for sums up to £10 sterling. The terms are:—

For Orders up to £5	25 cents.
For Orders over £5, and up to £10	50 "

SAVINGS BANK DEPARTMENT.

The Postmaster-General will receive at any of the Post Office Savings Banks, deposits paid to the postmasters by persons wishing to place their money in the Government Savings Banks.

2. The direct security of the Dominion is given by the Statute for all deposits made.

3. At each Post Office Savings Bank, the Savings Bank regulations may be read by the public, giving full information with respect to the mode of depositing and withdrawing money, and these regulations are printed on the cover of the pass-book supplied to each depositor.

4. Any person may have a deposit account. Any deposits will be received daily, during the ordinary hours of post office business, of any number of dollars, from $1 up to $300, the total amount which can be received from a depositor in any one year, except in cases to be specially authorized by the Postmaster General.

5. The postmasters of the offices named will act as agents for the receipt of the money deposited for transmission to the Postmaster-General, and for the payment by the Postmaster-General of money withdrawn by depositors.

6. Each depositor will be supplied with a pass-book, and the sums paid in, or withdrawn, will be entered therein by the postmaster receiving or paying the same. In addition, a direct receipt for each amount paid in, will be sent to the depositor from the Postmaster-General, and the Postmaster-General will issue a cheque, payable at any Post Office Savings Bank desired, for any sum withdrawn.

7. Every depositor's account will thus be kept with the Postmaster General, and a depositor may pay into his or her account with the Post Office Savings Bank, at any of the Savings Bank Post Offices which at the time may best suit his convenience, and may exercise the same choice in drawing out money, subject only to the obligation of producing the pass-book, in proof of identity—whenever paying in or drawing out money.

8. Interest at the rate of 4 per cent, per annum will be allowed on deposits lying in the ordinary deposit accounts, but when a depositor has $100 deposited, he or she may request the Postmaster-General to transfer this sum to a special account, and will then receive certificate of such special $100 deposit, bearing interest at 5 per cent. per annum.

Bill Books, Pass Books, Time Books and Pocket Books,

9. Postmasters are forbidden by law to disclose the name of any depositor, or the amount of any sum deposited or withdrawn.

10. No charge will be made to depositors on paying in or drawing out money, nor for postage on communications with the Postmaster-General in relation thereto.

THE STAMP ACTS.

These Acts impose a duty on every promissory note, draft, or bill of exchange, not exceeding $25. 1 cent; not exceeding $50, 2 cents; less than $100, 3 cents; *not less than* $100, if executed singly, 3 cents per $100 or fraction thereof; if executed in duplicate, 2 cents per $100 or fraction thereof on each part if executed in more than two parts, 1 cent per $100 or fraction thereof on each part.

Any interest payable with the note at maturity must be counted as part thereof. The duty is to be paid by *bill stamp*, on which the date is to be written. Bank notes, checks, and money orders, are exempt. These Acts impose heavy penalties for violation.

COURTS OF JUSTICE.

PROVINCE OF QUEBEC.

COURT OF QUEEN'S BENCH.—Hon. J. F. Duval, Chief Justice; Réné E. Caron; L. T. Drummond; William Badgley; S. C. Monk, Puisné Judges.

COURT IN APPEAL AND ERROR.—Montreal, 1st March, 1st June 1st September, 1st December; Quebec, 12th March, 12th June, 12th September and 12th December; L. W. Marchand, Clerk of Appeals; Charles Drolet, Deputy do.

COURT OF CRIMINAL JURISDICTION.—Montreal, 24th March and 24th September; Quebec, 24th January and 24th June; Three Rivers, 20th March and 20th September; Sherbrooke, 1st April and 1st October; Arthabaska, 20th February and 20th October; Beauharnois, 20th March and 20th November; St. Hyacinthe, 1st May and 1st December; St. John's, 22nd May and 12th December; St. Scholastique, 7th January and 2nd July; Aylmer, 21st January and 1st July.

Terms to continue till the business is closed. Extraordinary terms may be held by proclamation.

SUPERIOR COURT. Jurisdiction for sums exceeding $200. Hon. William Collis Meredith, Chief Justice; Hon Charles Mondelet; Hon. Peter Winter, Hon. Andrew Stuart, Hon. Edward Short, Hon. David Roy, Hon. T. J. J. Loranger, Hon. Aimé Lafontaine, Hon. Joseph N. Bossó, Hon. Robert McKay, Hon. Fred. A. Torrance, Hon. Jos. A. Berthelot, Hon. L. V. Sicotte, Hon. A. Polette, Hon. F. G. Johnson, Hon. Jean Taschereau, Hon. Jos. U. Beandry, Hon. Ls. E. N. Casault, Hon. Thos. K. Ramsay, Assistant Judge.

TERMS.

*Montreal.—†Hochelaga, Jacques Cartier, Laval, Vaudreuil, Soulanges, Laprairie, Chambly, Verchéres, and city of Montreal. Held at

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* Districts. † Counties, &c., comprised.

Appeals from the Circuit Court to the Queen's Bench are allowed, by the 20th Vict., chap. 44, sec. 60, in cases over $100.

Every day, not a Sunday or a Holy day, is a Judicial day.

The Circuit Court at the *che-flieu* of a district has coucurrent jurisdiction with the Circuit Court in and for the various counties in the same district.

Books and Church Services in every variety of Binding.

Montreal from 17th to 27th of every month, except January, July and August. Hubert, Papineau and Honey, prothonotaries; G. Pyke, deputy prothonotary; Tancrède Bouthillier, sheriff; M. H. Sanborn, Deputy sheriff. Joseph Jones, coroner.

Quebec.—Portneuf, Quebec, Montmorenci, Levy, Lotbinière and city of Quebec. Held at Quebec from 1st to 5th of every month, except January July and August. Fiset and Burroughs, prothonotaries; Hon. Charles Alleyn, sheriff.

Ottawa.—Ottawa and Pontiac. Held at Aylmer from 13th to 19th February, June and November. Henry Driscoll, prothonotary; Louis M. Coutlée, sheriff.

Three Rivers.—Maskinongé, St. Maurice, (including city of Three Rivers), Chaplain and Nicolet. Held at Three Rivers from 13th to 19th of March, June, September and December. Edward Barnard, prothonotary; S. Dumoulin, sheriff.

St. Francis.—Richmond, (including town of Sherbrooke), Wolfe, Compton, and Stanstead. Held at Sherbrooke from 20th to 26th February, May, October and December. Short and Morris prothonotaries; G. F. Bowen, sheriff.

Terrebone.—Argenteuil, Two Mountains, and Terrebone. Held at St. Scholastique, from 13th to 19th February, May and October. Jules R. Berthelot, prothonotary; Alphonse Raby, sheriff.

Joliette.—L'Assomption, Montcalm and Joliette. Held at Joliette from 13th to 19th February, May and October. Louis Thomas Groulx, prothonotary; B. H. Leprohon, sheriff.

Richelieu.—Richelieu, Yamaska and Berthier. Held at Sorel from 13th to 19th March, June and November. Antoine N. Gouin, prothonotary; Michel Mathieu, sheriff.

Rimouski.—Rimouski. Held at St. Germain from 13th to 19th March, June, and October. Frs. MagloireDorme, prothonotary; Achille Fournier, sheriff.

Arthabaska.—Megantic, Arthabaska, Drummond. Held at Arthabaska from 13th to 19th February, May and October. .... prothonotary; Auguste Quesnel, sheriff.

Bedford.—Shefford, Missiquoi and Brome. Held at Nelsonville from 13th to 19th February, May and October. Frederick T. Hall, prothonotary; Foster and Cowan, sheriffs.

St. Hyacinthe.—St. Hyacinthe, Bagot and Rouville. Held at St. Hyacinthe from 22nd to 28th February, June and November. Louis G. Delormier, prothonotary; Louis Taché, sheriff.

Iberville.—St. Johns, Napierville and Iberville. Held at St. Johns from 16th to 21st March, June and November. Frs. H. Marchand, prothonotary; J. F. Desrivières, sheriff.

Beauharnois.—Huntingdon, Beauharnois and Chateguay. Held at Beauharnois from 13th to 19th March, June and November. P. J. U. Beaudry, prothonotary; Louis Hainault, sheriff.

CIRCUIT COURTS.

JURISDICTION FOR SUMS NOT EXCEEDING $200.

Montreal District.—Montreal Circuit, Montreal, 10th to 15th of every month, except January, July and August.

R. MILLER Manufactures and keeps constantly in stock

Vaudreuil County, Vaudreuil, 1st to 5th of March, July and November.

Soulanges County, Coteau Landing, 6th to 10th March, 6th to 9th July, 6th to 10th November.

QUEBEC DISTRICT.—Quebec Circuit Court, 16th to 21st January and June, and 20th to 25th of every month, except July and August.

Verchères County, Verchères, 1st to 5th February, May and October.

Lotbinière Circuit, Lotbinière, 13th to 22nd March, July and November.

Portneuf Circuit, Cap Santé, 7th to 16th January, May. and September.

THREE RIVERS DISTRICT.—Three Rivers Circuit, Three Rivers, 7th to 12th March, June, September and December.

Maskinongé County, River du Loup, 26th to 30th January and May, and September 28th to October 2nd.

OTTAWA DISTRICT.—Ottawa Circuit, Aylmer, 7th to 12th February, June and November.

Ottawa County, (2nd,) Papineauville, 7th to 10th January, May and September.

Pontiac Circuit, Portage du Port, 2nd to 7th March, 20th to 25th June, and 3rd to 8th November.

TERREBONNE DISTRICT.—Terrebonne Circuit, St. Scholastique, 7th to 12th February, May and October.

Terrebonne County, St. Jérôme, 2nd to 6th February, May and October.

Argenteuil County, Lachute, 12th to 16th January, May, and September.

RICHELIEU DISTRICT.—Richelieu Circuit, Sorel, 7th to 12th February, May and October.

Berthier Circuit, Berthier, 25th to 29th February, May and October.

Yamaska County, St. François, 20th to 24th February, May and October.

BEDFORD DISTRICT.—Bedford Circuit, Nelsonville, 7th to 12th February, May and October.

Brome County, Knowlton, 10th to 14th March, June and November.

Shefford County, Waterloo, 21st to 25th January, April and September.

Missisquoi County (2nd), Bedford, 28th to 31st January, May and October.

ST. HYACINTHE DISTRICT.—St. Hyacinthe Circuit, St. Hyacinthe, 22nd to 27th January, March and October.

Rouville County, Marierville, 15th to 19th February, May and October.

IBERVILLE DISTRICT.—Iberville Circuit, St. Johns, 11th to 15th March, June and November.

Napierville County, Napierville, 1st to 5th March, June and November.

Iberville County, Iberville, 6th to 10th March, June and November.

BEAUHARNOIS DISTRICT.—Beauharnois Circuit, Beauharnois, 7th to 12th March, June and November.

Chateauguay County, St. Martine, 2nd to 6th March, June and November.

Huntingdon County, Huntingdon, 15th to 19th January, April and September.

Bill Books, Pass Books, Times Books and Pocket Books,

St. Francis District.—St. Francis Circuit, Sherbrooke, 10th to 16th February, May, October and December.

Stanstead Circuit, Stanstead Plain, 1st to 4th February, June, September and December.

Compton County, Cookshire, 8th to 12th January, June and November.

Richmond County, Richmond, 1st to 5th March, July and November.

Richmond County (2nd), Danville, 14th to 18th January, April and September.

Arthabaska District.—Arthabaska Circuit, Arthabaskaville, 7 to 12th February, May and October.

Drummond County, Drummondville, 20th to 24th March, June and November.

Megantic County, Inverness, 20th to 24th March, June and November.

PROVINCE OF ONTARIO.

COURTS.

Court of Error and Appeal.—*Judges*, Hon. W. H. Draper, C.B., Chief Justice of Ontario; Hon. P. M. Vankoughnet, Chancellor of Ontario; combined with the Judges of the Chancery, Queen's Bench, and Common Pleas Courts.

Court of Queen's Bench.—The Jurisdiction of this Court extends to all manner of actions, causes, and suits, criminal and civil, real, personal, and mixed, within Ontario. *Chief Justice*, Hon. W. H. Draper, C.B., *Puisjné Judges*, Hon. John Hawkins Hagarty, D.C.L. and Hon. J. Morrison.

Court of Chancery.—This Court has the like jurisdiction as the Court of Chancery in England, in cases of fraud, accident, trusts, executors, administrators, co-partnerships, accounts, mortgages, awards, dower, infants, idiots, lunatics, and their estates, waste, specific performances, discovery, and to prevent multiplicity of suits, staying proceedings at law prosecuted against equity and good conscience, and may decree the issue, repeal, or avoidance of letters patent, and generally the like powers which the Court of Chancery in England possesses, to administer justice in all cases in which there is no adequate remedy at law. *Chancellor*, Hon. P. M. Vankoughnet, D.C.L., *Vice-Chancellors*, Hon. Oliver Mowatt, and Hon. John Godfrey Spragge. *Master*, Andrew Norton Buell.

Court of Common Pleas.—This Court has the same power and jurisdiction as a Court of Record, as the Court of Queen's Bench. *Chief Justice*, Hon. W. B. Richards. *Puisné Judges*, Hon. A. Wilson, and Hon. J. Wilson.

Heir and Divisee Court—*Commissioners*, the Judges of the Superior Courts, and such other persons as may be appointed by commission under the Great Seal. These duties are to determine claims to lands in Ontario, for which no patent has issued from the Crown in favor of the proper claimants, whether as heirs, devisees or assignees. Sittings at Toronto, first Monday in January and July in each year. *Clerk of Commissioners*, W. B. Heward.

County Courts.—Presided over by a resident Judge in each county. Their jurisdiction extends to all personal actions where the debt or damages claimed do not exceed $200; and to all s its relating to debt,

Account and Registration Books, ruled, printed

covenant or contract, where the amount is ascertained by the acts of the parties or signature of the defendant to $400; and to all bail bonds and recognizances of bail given in the County Court to any amount; but not to cases involving the title to lands, validity of wills, or actions for libel, slander, criminal conduct, or seduction. An appeal lies to either of the Superior Courts of Law. These Courts also possess equity powers to the amount of $200, subject to an appeal to Chancery.

COURTS OF QUARTER SESSIONS.—*Chairman*, the County Judge in each county, who, with one or more Justice of the Peace, holds a Court of Quarter Sessions in his county four times a year for trials by jury in cases of felony and misdemeanor, but treason and capital felonies are exempted from their jurisdiction.

INSOLVENT DEBTOR'S COURTS.—By the "Insolvent Acts of 1864 and 1865," 27 and 28 Vic., chap. 57, and 29 Vict, chap. 18, provision is made "for the settlement of the estates of insolvent debtors, for giving effect to arrangements between them and their creditors, and for the punishment of fraud." In Province of Quebec, this enactment applies to traders only. In Province of Ontario, to all persons whether traders or non-traders. In these Courts, the County Court Judge in each county presides—the only appointments made in pursuance of this statute being those of "official assignees" who are to be nom nated "by the Board of Trade at any place, or the council thereof, within the county or district in which such Board of trade exists, or in any county or district adjacent thereto in which there is no Board of Trade."

TERMS OF THE COURTS.

APPEAL TERMS.— Commence on the second Thursday next after Hilary, Easter, and Michaelmas Terms.

LAW TERMS.—Hilary begins first Monday in February, and ends Saturday of the ensuing week; Easter begins third Monday in May, and ends Saturday of the second week thereafter; Michaelmas begins third Monday in November, and ends Saturday of the second week thereafter.

CHANCERY TERMS.—*Examination Terms.*—From first Tuesday of February to the Saturday after second Tuesday of April; and from first Tuesday of September to the Saturday after first Tuesday of November.

HEARING TERMS.—From fourth Monday in April untill Saturday of the foltowing week; and from third Monday in November until Saturday of the following week.

COUNTY COURT TERMS.—Commence on the first Monday in January, April, July and October, and end the following Saturday.

EFFECTS OF ALCOHOL.—Experiments made by Drs. Ringer and Richards on men and animals go to show that the temperature of the body fails nearly as fast after the use of alcohol in doses sufficient to produce intoxication, as after death itself. The facility with which drunkards freeze to death, is explained by this fact. Dr. Jolly declares that an increasing tendency towards mental disease has been generated by the increasing consumption of spirits. Official reports shows that the abuse of alcohol accounts for one-fifth of the insanity in France. —*Exchange.*

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BANKS IN CANADA.

With their Agencies.

PLACES.	NAMES OF BANKS.	OFFICERS.
Almonte	Merchants	F. A. W. Lister, agent.
Barrie	Bank of Commerce	J. H. Plummer, manager.
	Toronto	D. Campbell, manager.
Belleville	Montreal	R. Richardson, manager.
	Merchants of Canada	Andrew Thomson, manager.
Berlin	do. do.	R. N Rodgers, agent.
Bowmanville	ONTARIO	D. Fisher cashier.
	Royal Canadian	R. Young, agent.
Brantford	B. N America	A. Robertson, manager.
	Montreal	S Read, acting manager.
Brockville	Montreal	J. N. Travers, manager.
Brampton	Merchants	Charles Crookall, agent.
Chatham, Ont.	Royal Canadian	W. H. Monsell.
	Merchants of Canada	W. S Ireland, manager.
Cobourg	Montreal	J Porte us, manager.
	Toronto	J. H. Roper, manager.
	Royal Canadian	Alfred Stowe, agent.
Cornwall	Montreal	Neil McLean, agent.
Clinton	Royal Canadian	M. Lough, agent.
Elora	Montreal	W. P. Newman, agent.
	Merchants	William Kinsley.
Fergus	Montreal	G. D Ferguson, agent.
	Royal Canadian	John Beattie, agent.
Galt	Bank of Commerce	G. H Patterson, manager.
	Merchants of Canada	William Cooke, manager.
	Royal Canadian	W. F. Patterson.
Goderich	Montreal	J. H. Finlay, acting agent.
	Royal Canadian	A. M. Ross, manager.
Guelph	Montreal	C. Brough, acting manager.
	Ontario	E. Morris, manager.
	Bank of Commerce	G. W. Sandilands, manager.
Hamilton	B. N. America	W. N Anderson, manager.
	Montreal	W. J. Buchanan, manager.
	Merchants of Canada	James Bancroft, manager.
	Royal Canadian	H. McKinstry, agent.
	Bank of Commerce	C. R. Murray, manager.
Ingersoll	Niagara District	C. E. Chadwick, agent.
	Merchants of Canada	C. H. Sorley, agent.
Kingston	B. N. America	Jeffery Penfold, manager.
	Montreal	R. M. Moore, manager.
	Merchants of Canada	J. G. Macdonald, manager.
Kincardine	Do. do	W. S. Small.
Lindsay	Ontario	J. H. Woodman.
	Merchants	William Hamilton,
	Montreal	H. Dunsford, agent.
London	Bank of Commerce	W. Simpson, manager.
	B. N. America	Thomas Gorsan, manager.
	Montreal	W. R. Dean, manager.
	Merchants of Canada	W. F. Harper, manager.
	Molsons	
Montreal	MONTREAL	R. B. Angus, general manager. A. Macnider, assistant manager.
	CITY	F. McCulloch, cashier.
	DU PEUPLE	A. A. Trottier, cashier.
	MOLSONS	F. W. Thomas, cashier.
	JACQUES CARTIER	H. Cotté, cashier.
	MERCHANTS OF CANADA	Jackson Rae, cashier.
	B. N. America	C. McNab, general manager. ———manager.
	Quebec	J, B Renny, manager.

Paper Bags of every quality and size suitable for all trades

Montreal—Contin'd	Toronto	Duncan Coulson, manager.
	Ontario	Henry Starnes, manager.
	Union Bank of Lower Canada	P. MacEwan, manager.
	Royal Canadian	William Sache, manager.
	Mechanics' Bank	Alex. Molson, managing director.
	Niagara District	Ontario Bank, agents.
	Eastern Townships	Bank of Montreal, agents.
Newcastle, N. B.	Bank of Commerce	J. G. Harper, managers.
Napanee	Montreal	F. E. Wouslow, agent.
Newmarket	Merchants of Canada	Alex. Smith, agent.
Orangeville	Royal Canadian	J. Cawthra, agent.
	Bank of Commerce	T Y. Greet, manager.
	Merchants	W. H. Scott, agent.
Oshawa	Ontario	C. Holland, manager.
Ottawa	B. N. America	A. C. Kelty, manager.
	Montreal	A. Drummond, manager.
	Quebec	H. V. Noel, manager.
	Ontario	E. S. Eastwood, manager.
	Merchants	Thomas Kirby, manager.
Owen Sound	Royal Canadian	M. P. Hayes.
	Merchants of Canada	J. Pottenger, agent.
Paris		
Pembroke	Quebec	J. Walker, agent.
	Merchants	Hector Fraser, agent.
Perth	Montreal	J. A. Stewart, agent.
	Royal Canadian	R. D. Freeman, agent.
	Merchants of Canada	James Grey, agent.
Peterborough	Ontario	G. E. Shaw, manager.
	Royal Canadian	W. M. Ogilvie, agent.
	Toronto	J. M. Smith, manager.
	Montreal	W. E. Knowles.
	Bank of Commerce	J. A. Hall, manager.
Picton	Montreal	F. A. Despard, agent.
Port Hope	Ontario	John Smart, manager.
	Royal Canadian	A. H. McDougall, agent.
	Toronto	A. Morgan Cosby, manager.
	Montreal	A. T. Lerr, agent.
Port Perry	Royal Canadian	J. Bigelow, agent.
Prescott	Merchants of Canada	J. F. Harper, interim agent.
Quebec	QUEBEC	James Stevenson, cashier.
	LA BANQUE NATIONALE	F. Vezina, cashier.
	Bank of Commerce	Union Bank of L. C., agents.
	B. N. America	C. F. Smith, manager.
	Eastern Townships	Quebec Bank, agents.
	Montreal	T. R. Christian, manager.
	City Bank	Daniel McGie, agent.
	Du Peuple	Banque Nationale, agents.
	Toronto	Banque Nationale, agents.
	Union Bank of Lower Canada	W. Dunn, cashier.
Sarnia	Montreal	Hon. A. Vidal, agent.
	Bank of Commerce	H. W. Holmestead, manager.
Seaforth	Royal Canadian	W. H. Russell, cashier.
Sherbrooke	City Bank	Wm. Addie, agent.
	Eastern Townships	Wm. Farwell, jun., cashier.
Simcoe	Bank of Commerce	H. Groff, agent.
	Montreal	F. F. Blackadder, acting agent.
Southampton	Merchants of Canada	A. Sproat.
Stanbridge	Eastern Townships	J. C. Baker, manager.
Stanstead	Eastern Townships	A. P. Ball, manager.
St. Catherines	NIAGARA DISTRICT	C. M. Arnold, cashier.
	Quebec	D. R. Wilkie, agent.
	Bank of Commerce	H. C. Barwick, manager.
	Royal Canadian	J. A. Goodman.
St. Marys	Montreal	R. Hillyard, agent.
St. Thomas	Merchants of Canada	A. M. Crombie, agent.
Stratford	Montreal	J, Hogg, agent.
	Merchants of Canada	C. H. Ransom, agent.
	Royal Canadian	J. Young, agent.
Strathroy	Bank of Commerce	J. S. Small, agent.
Three Rivers	Quebec	John McDougall, agent.

constantly on hand or made to order by R. MILLER.

Toronto	BANK OF TORONTO	Geo. Hague, cashier.
	BANK OF COMMERCE	H. S. Strathy, cashier.
	Merchants of Canada	Archd. Cameron, manager.
	Ontario	A. Fisher, manager.
	B. N. America	Sam. Taylor, manager.
	Montreal	G. W. Yarker maaager.
	City Bank	John Moat, agent.
	Quebec	R. H. Bethune, manager.
	Royal Canadian	— Simpson, cashier.
Waterloo, Q.	Eastern Townships	W. G. Parmalee, manager.
Walkerton	Merchants	A. Sproat, agent.
Wintby	Royal Canadian	A. Richardson, agent.
	Ontario	K. F. Lockhart, manager.
Windsor, Ont.	Merchants of Canada	C. D. Grassett, agent.
Woodstock	Bank of Commerce	W. A. Sampson, manager.
	Royal Canadian	J. M. Burns, agent.
Halifax, N. S.	Montreal	E. C. Jones, agent.
	B. N. America	James Goldie, manager.
St. John, N.B.	Montreal	W. Richardson, agent.
	B. N. America	R. R. Grindley, manager.
	Quebec	Bank of New Brunswick.
		Thomas Maclellan, gaent.
St. Stephens, N.B.		
St. Joans, N. F.	Montreal	Union Bank of Newfoundland.
	B. N. America	Union Bank of Newfoundland.
Victoria, (V. I.)	B. N. America	H. A. Tuzo, manager.
British Columbia	Montreal	Bank of British Columbia.
	B. N. America	J. Goodfellow, interim agent.

RULES FOR HEALTH.

The man or woman who drinks a cup of strong tea or coffee or other stimulant in order to aid in the better performance of any work or duty, public or private, is a fool, because it is to the body and brain an expenditure of what it has not yet got: it is using power in advance, and this can never be done, even once, with impunity.

The less a man drinks of anything in hot weather the better; for the more we drink the more we want to drink, until even ice-water palls and becomes of a metallic taste; hence the longer you can put off drinking cold water on the morning of a hot day, the better you will feel at night.

Drinking largely at meals, even of cold water or simple teas, is a mere habit, and is always hurtful. No one should drink at any one meal more than a quarter of a pint of any liquor, even of cold water, for it always retards, impairs, and interferes with a healthful digestion.

An eminent physician says that the white rubber used for nursing bottles and infants toys, is very poisonous, causing sore mouth skin eruptions, decayed teeth, spinal curvature, and death. In Europe the sale of it is prohibited by law.

A DISINFECTANT WORTH KNOWING.

We dare say very few persons are aware that coffee is a valuable disinfectant. Experiments, however, have proved that it is the most powerful means, not only of rendering animal and vegetable effluvia innocuous, but of actually destroying them. A room in which meat in an advanced degree of decomposition had been kept for some time, was instantly deprived of all smell on an open coffee-roaster being carried through it, containing a pound of coffee newly roasted. In another room, exposed to the effluvium occasioned by the clearing out of a manure pit, so that susphuretted hydrogen and ammonia in great quantities could be chemically detected, the stench was completely removed in half a minute, on the

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employment of three ounces of fresh roasted coffee, whilst the other parts of the house were permanently cleared of the same smell by being simply traversed with the coffee-roaster, although the cleansing of the pit continued for several hours after. The best mode of using the coffee as a disinfectant is to dry the raw bean, pound it in a mortar, and then roast the powder on a moderately heated iron plate, until it assumes a dark brown tint, when it is fit for use. Then sprinkle it in sinks or cesspools, or lay it on a plate in the room which you wish to have purified. Coffee-acid or coffee-oil acts more readily in minute quantities.

TO KEEP BLUE CALICO OR LAWN FROM FADING.

Put an ounce of sugar of lead into a pailful of cold water; in this solution soak the material to be washed for two hours, and let it dry before being washed and ironed. All shades of blue may thus be kept from fading when washed.

CHEERFULNESS IS A CHARMING CHARACTERISTIC.

Who does not love a blithesome spirit, with its nimble footsteps and cheery tones, its unclouded brow and radiant smile, its warm, genial natrue? We all can cultivate cheerfulness. By it I do not mean festive gaiety, with its giddy mirth and song—but serenity, that exquisite state that so reminds one of the bright and glowing spring, the fresh and sparkling morn. Not only will it brighten our own lives, but it will cast halo of light around the lives of others.

HOW TO SECURE TENDER MUTTON.

The *Practical Farmer* says: "Conversing recently with a prominent sheep breeder of New York, who had travelled extensively in England and on the Continent, we inquired his opinion as to the superiority of the English and continental mutton over what is usually found in the American market. He had been struck with this himself, and made it a point of especial attention in visiting large flocks, to enquire as to the utmost approved modes of feeding and management of sheep.

"The answer to our question was all comprised in a single sentence—'they feed turnips,'—and with their aid a three or four years old wether, (an age which in this country would require near a twelve hours' stew to make it eatable), eat as tender as chickens.

"Now we want to impress this fact upon sheep breeders, that if they want to collect a crowd around their stalls, and get a reputation for tender and juicy mutton, they must raise ruta bagos and turnips—a practice which they are about as free from being guilty of, in this section, at least, as raising flax or hemp."

TAPPING MAPLE-TREES.

The rapid wasting away of the forest trees, especially of the sugar maple, has induced greater circumspection on the part of the owners of sugar orchards than during the early settlement of the country. Then a tree was regarded as something to be gotten rid of, and as the sugar-

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maple generally had possession of the best ground for farming purposes, tapping the trees by boxing was regarded as a ready means of getting a present supply of sugar while promoting an early death of the tree. By this process a tree would be girdled in three or four years, and be the more readily removed from the soil. But now the sugar-maple is regarded as a source of gain,—hence, in extracting its saccharine, the boxing system has been abandoned, and the less exhausting one of tapping substituted for it. But even this is often recklessly done by boring deeply into the tree, thus weakening it and producing decay, when a slight perforation would eliminate the sap without impairing the vitality. When a young sugar orchard is intended as permanent, great care in tapping should be exercised. Without this, their vitality will diminish rapidly. Hence an orchard which ought to last a life-time will die out in a few years, thus depriving the owner of a domestic luxury which a little care and forethought might have preserved through successive generations. If the auger, gouge, or both, are used, the incisions should be light, and so dispersed over the surface of the body as to give it a chance to heal before a second one is made in its immediate vicinity. In this way the holes will grow over and the vitality of the tree be so little affected as to render the flow of sap nearly uniform for a long series of years.

POULTRY.

The marks or indications that a pullet will become a good hen, are a small head, bright eyes, a tapering neck, full breast, straight back, full ovoidal-shaped body, and moderately long gray-colored legs. No yellow-legged chicken, says an English writer, should be kept, as their flesh is not so good ; and therefore they should not be bred from. As to the color of the feathers, it is a matter of fancy, it being no matter whether black or white, or an intermingling of these and other colors ; mottled gray is deemed a good color by some.

A chicken never eats more tenderly than when killed a short time before dressing, but if not so used, it may hang in the larder three or four days in winter. An old fowl is better, for being kept a week or more in winter. The criterion of a fat hen when alive is a plump breast and the rump feeling thick, fat, and firm on being handled ; fat should be found under the wings. White flesh is generally deemed preferable, though some poulterers insist that a yellow-skinned chicken makes the most delicate roast.

Turkeys hatched in May will be full grown by winter, and if well-fed are then ready for use, at Thanksgiving and Christmas time, when a favorable market is created for such poultry. Young cocks are selected for roasting, and hens for boiling.

Geese, the product of early summer hatching, will be full-grown by winter. The criterion of a goose is plumpness of muscle over the breast and thickness of rump, when alive ; and in addition, when dead and plucked, a uniform covering of white fat under a fine skin on the breast. It is a good young goose that weighs twelve pounds at Christmas. A green goose is deemed a greater delicacy than a turkey. Goose is better for being kept a few days before roasting.

Ducks, early hatched and properly fed, are in good condition for the table in early winter, and never eat better than when killed and immediately dressed and cooked.

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Hens, turkeys, geese, ducks, and pigeons must be kept apart. They should be let out to roam and pick about every morning for an hour or swo, then should have their morning meal. Hens and turkeys eat the cleanest when fed on a grass plot. Geese and ducks should be fed near a pond, or at least where a ready supply of water may be had. In winter, feed twice a day, morning and afternoon, the latter soon after noon. For hens and turkeys, boiled potatoes, in their skins, are excellent feed when a little warm, broken with the hand. In winter, wheat, oats, rye, barley, or maize should be added. In summer, use grain only with noon feeding. Ducks may be fed in a like manner. Geese do best on grass land; in winter, they should have turnips, and cut raw potatoes, with grain at the noon feeding.

Poultry thus fed never needs special fattening, to have cock turkeys at Christmas time weighing 18lbs. a piece; hens, 15 lbs.; geese, 12 lbs.; ducks, 8 lbs.; and chickens, 3 to 4 lbs., plump and fat.

For feeding young turkeys the first four weeks, the best food is hard-boiled eggs minced. With young chickens this may be stopped after two weeks. When soft feed is first given to young turkeys, they may die of scouring; hard-boiled eggs prevent this. Young ducks should be fed on soft feed and not suffered to go into the water for three weeks. Goslings do best on tender grass, in warm exposure. Keep them on their feet, and do not suffer them to be exposed to drenching rains.

It is with poultry, as with all other farm animals, they should be fed regularly, never allowing much variation, for animals will wail and worry and thus lose flesh by impatient demonstrations, which are almost sure to be consequent upon negligence,—a stinging rebuke to the heedless, careless or negligent breeder.

AGRICULTURAL NOTES.

Tobacco stems or tobacco put into hens' nests are good to keep them from vermin.

Cooked meal is nearly double the bulk of uncooked yet quart for quart it goes as far. The difference is that much of the food is undigested unless cooked.

Roots in themselves do not fatten much, but they make every ounce of grain food available. The effect of cooked meal and meal fed with roots is similar.

An old stable keeper in England says he has never had a bad foot on his horses, since he commenced the practice of bedding on a thick layer of sawdust. He finds pine the best, oak the worst.

Muck should never be taken to the field direct from the swamps. It should be exposed to the atmosphere for six months or more, the longer the better, and composed with lime or unleached ashes.

The best way to prevent cows from holding up their milk is to milk the forward teats perfectly dry, then change to the two hind teats and milk very fast, and the desired result will be obtained.

The Utica *Herald* gives three rules for renovating old pastures :1. In winter, lime them in wet places. 2. In summer, mow them where bushy. 3. Keep sheep on them and feed the sheep with beans and oil cake.

A large black beetle, wearing upon his broad back rows of most brilliant gold dots, is the friend of the farmer. From its eggs, are produced the corn grub killer, the most inveterate foe of the cut worm, with which

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it gorges itself until it can hardly stir. Its jaws are very strong. Ploughman, spare that bug.

CHEESE, according to the statement of Prof. A. J. Bellows, has in it more than twice the amount of food of any other known substance. It should therefore be used in small quantities and with articles containing little nitrogen, such as fruits and fine flour. Those persons whose occupations necessitate hard labor, and who cannot afford much fresh meat, will find in cheese a most wholesome as well as nutritious food, less expensive and less likely to develope in the human system those scrofulous diseases attributed to animal food.

WHITEWASH.

Whitewash is one of the most valuable things in the world when properly applied. It not only prevents the decay of wood, but conduces greatly to the healthfulness of all buildings, whether of wood or stone. Out-buildings, and fences, when not painted, should be supplied once or twice a year with a good coat of whitewash, which should be prepared in the following way; Take a clean water-tight barrel, or other suitable cask, and put into it a half-bushel of lime. Slack it by pouring water over it boiling hot, and in sufficient quantity to cover it five inches deep, and stir it briskly till thoroughly slackened. When the slacking has been thoroughly effected, dissolve in water, and add two pounds of sulphite of zinc and one of common salt; these will cause the wash to harden and prevent its cracking, which gives an unseemly appearance to the work. If desirable, a beautiful cream color may be communicated to the above wash, by adding three pounds of yellow ochre, or a good pearl or lead color by the addition of lamp, vine or ivory black. For fawn color, add four pounds of umber, Turkish or American—the latter is the cheapest—one pound of Indian red, one pound of common lamp black. For common stone color, add four pounds of raw umber and two pounds of lamb black. This wash may be applied with a common whitewash brush, and will be found much superior both in appearance and durability to the common whitewash.

WEATHER WISDOM.

Changes of weather may be foreseen, often at long intervals, by other aids far more efficacious than those of the moon, or of weather cycles. The apparatus required may, with the exception of a barometer and the clouds, be all found in the animal kingdom, a careful observation of the habits of some of the denizens of which is the sure road to successful weather wisdom. There seems to be a sensibility to atmospheric change in the lower orders of creation which answers them as instincts, and directly gives them information which man only arrives at by the longer road of reason. The scent of the hound is an instance of a delicate sense, which we cannot form an idea of, though it may help us to conceive the possibility of "pigs seeing the wind" or of horses and cattle "sniffling a distant storm."

A sow carrying straw in her mouth to make her bed is as sure an indication of coming foul weather as any the barometer can give; and when puss turns her tail to the fire, and in that position commences to wash her face, it is said the same event is predicted. It is as true of the skies as of domestic affairs, that when the hen crows, a change for the worse

is at hand; and, as to the lord of the poultry-yard, we have the old saying, that—

"If the cock crows going to bed,
He'll surely rise with a watery head."

Robin Redbreast singing in the midst of a rain on the top twig of a tree is an infallible index of a beneficial change to fair for a few days at least; and the screech of the owl under similar circumstances is said to have the same meaning, though the peacock's screech at all times denotes ungenial weather. Frogs also furnish their signs, becoming brown on the approach of rain, but remaining yellow so long as it is absent. There is a curious weather-glass made in Germany, the materials entering into the composition of which are two frogs, two small ladders, and a cylindrical vessel of water.

Frogs and ladders being duly put into the water, if the froggies climb their ladders and look over the vessel's side, foul days are at hand; if they remain below, the sky will continue fine. Leeches in water furnish similar indications; but spiders and snails are the most remarkable of all the weather prophets; when the former make their webs at night, the morning is sure to be fine; if they make them in the morning, the coming day may be relied on for a drive or a walk. Hence the saying:

"When you see the gossamer flying,
Be sure the air is drying."

An instance is on record of a French officer, confined in a prison in Utrecht during the wars of the French Revolution, having so closely and accurately observed the habits of some spiders that were his sole companions, that he was able, by their movements, to foretell a frost fourteen days before it came, and thereby turn the certain defeat of the French army into a glorious victory. But snailes are remarkable weather indicators. Like frogs, their colors change on the approach of rain, and some species indicate rain so much as ten days before by tubercles, which appear on their bodies, and seem intended for the purpose of imbibing the approaching moisture. As a general rule, these creatures, according to their habits, two or three days before rain, may be seen climbing the trunks of trees, or seeking shelter under leaves, or making their way to open places.

We thus see that, by a careful assortment of spiders, snails, frogs and leeches, and a few domestic animals, combined with a good barometer, and accurate observation of the language of the clouds, and the song and cries of birds, any person may easily become a weather prophet of no mean practical wisdom. But how shall we account for the more distant foresight of weather which some animals have? What teaches the bees to kill their drones early if a wet summer is coming or the water owl to forsake their marshes if it is to be dry?

By what vision does the swallow know the approach of a fine summer, and consequently set forth early on his migration to northern regions? By what foreknowledge is the worm led to burrow deep in the earth if the winter is to be cold? In all these cases there is distant foresight, for action is taken a month at least before the anticipated foul or fair can come. Reason cannot fathom the mystery; it has to confess itself baffled and excelled by the light enjoyed by insect and bird and brute.

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